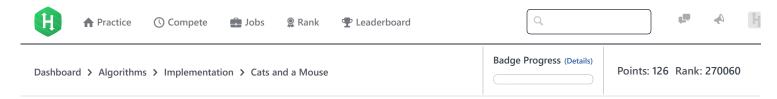
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Cats and a Mouse





Two cats named \boldsymbol{A} and \boldsymbol{B} are standing at integral points on the x-axis. Cat \boldsymbol{A} is standing at point \boldsymbol{x} and cat \boldsymbol{B} is standing at point \boldsymbol{y} . Both cats run at the same speed, and they want to catch a mouse named \boldsymbol{C} that's hiding at integral point \boldsymbol{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 $m{A}$ catches the mouse first, print Cat A.
- ullet If cat $oldsymbol{B}$ catches the mouse first, print Cat ullet .
- 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

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

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

1 2 3

1 2 3

1 3 2 2 1 3

Sample Output 0

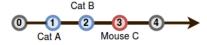
Cat B

Mouse

Cat A

Explanation 0

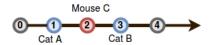
Query 0: The positions of the cats and mouse are shown below:



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

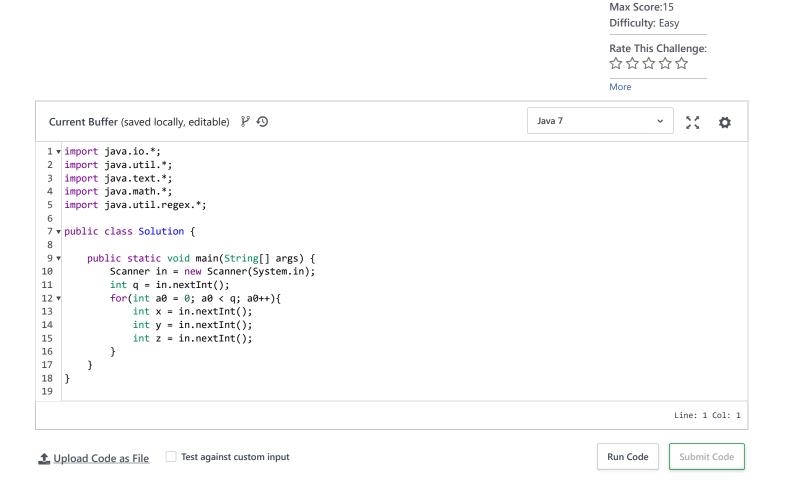
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Query 1: In this query, cats $m{A}$ and $m{B}$ reach mouse $m{C}$ at the exact same time:



f **y** in Submissions:34822

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



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