 Marwadi University	Marwadi University Faculty of Technology Department of Information and Communication Technology	
Sem : 4	Name : VEDANT BHARAD	
Day : 112	Date : 06/02/2023	Enrollment No: 92100133023


CP Club 365 Days Challenge

Programming language – C++

Problem Statement

<https://www.codechef.com/problems/BIRDFARM>

Git :- https://github.com/Vedantbharad2603/CP_club_365_Days

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Your Code:

```
// 0x112Day of 0x365Days challenge
// VEDANT BHARAD
// 6-2-2023
#include <iostream>
using namespace std;
int main() {
    // your code goes here
    int t;
    cin>>t;
    while(t--){
        int x,y,z;
        cin>>x>>y>>z;
        if(z % x == 0 && z % y != 0){
            cout<<"CHICKEN"<<endl;}
        else if(z % y == 0 && z % x != 0){
            cout<<"DUCK"<<endl;}
        else if(z % x != 0 && z % y != 0){
            cout<<"NONE"<<endl;}
        else{
            cout<<"ANY"<<endl;}
    }
    return 0;
}
```

Output (Screen Shot):

[←](#)
[→](#)
[↺](#)
[🏠](#)
[codechef.com/problems/BIRDFARM?tab=statement](#)

[🔗](#)
[★](#)
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[←](#)
Chef and Bird farm
Difficulty Rating: 591

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Statement
Hints
Submissions
Solution

Problem

In Chefland, each chicken has X legs and each duck has Y legs. Chef's farm can have **exactly one type** of bird.

Given that the birds on the farm have a total of Z legs:

- Print CHICKEN, if the farm can have only chickens but not ducks.
- Print DUCK, if the farm can have only ducks but not chickens.
- Print ANY, if the farm can have either chickens or ducks.
- Print NONE, if the farm can have neither chickens nor ducks.

Input Format

- The first line will contain T , the number of test cases. Then the test cases follow.
- Each test case consists of a single line of input, containing three space-separated integers X , Y , Z .

Output Format

For each test case, output in a single line the type of bird on the farm.

- Print CHICKEN, if the farm can have only chickens but not ducks.
- Print DUCK, if the farm can have only ducks but not chickens.
- Print ANY, if the farm can have either chickens or ducks.
- Print NONE, if the farm can have neither chickens nor ducks.

C++17
3 4 6

Problem Solver Badge
25 / 50

Solve 25 more problems to get Bronze Badge


Next Problem

Status: ✓ Correct Answer
Submission ID: [88326277](#)

Time: 0.01s

Sub-Task	Task #	Result (time)
1	1	AC (0.004101)
1	2	AC (0.005895)
Subtask Score: 100.00%		Result - AC
Total Score = 100.00%		

Upload code as file
Run
Submit

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Understanding about problem:

- In this task I need to return CHICKEN, DUCK, NONE or ANY based on input
- If $z \% x == 0 \ \&\& \ z \% y \neq 0$ then return CHICKEN, if $z \% y == 0 \ \&\& \ z \% x \neq 0$ then return DUCK, if $z \% x \neq 0 \ \&\& \ z \% y \neq 0$ then return NONE else ANY.

Note: If you can't understand the problem, feel free to contact us and we'll help you. Please don't copy and paste from anywhere.

ALL THE BEST

Team CP Club