


Assignment Case	
CH1 Var1	
Periode Berlaku Semester Ganjil 2022/2023 Valid on Odd Year 2022/2023	Software Laboratory Center Assistant Recruitment 23-1

Soal

Case

Distance Limit

The Bluejack Delivery has special service, Special Delivery. To use this service, customer must follow the distance limit. The requirements:

- Minimum distance limit is X (distance **should be greater or equal to X**),
- Distance **must be less than Y** .
- The distance **must be divisible by Z** .

The **current distance** from the start point to the destination point is A . Find whether the customer can use the special services

Input

The program will ask for some input:

- First line will contain T - number of test cases. Then the test cases follow.
- The first and only line of each test case contains three integers A , X , Y and Z as mentioned in the statement.

Constraint

$$1 \leq T \leq 1000$$

$$2 \leq X < Y \leq 40$$

$$2 \leq Z \leq 10$$

Output

For each test case, output “Eligible” if the distance is eligible, and “Not Eligible” if the distance is not eligible.

Example

Input	Output
3	Not Eligible
13 23 34 2	Eligible
24 20 34 2	Not Eligible
16 11 15 2	