

Jojo's Triangles

Jojo is learning about triangles. He wondered whether the 3 logs he had could form triangles or not. Help Jojo determine if he can make a triangle or not!

Format Input

The first line contains an integer T which represents number of test cases. The next T lines each contain three integers A, B, C stating the length of the logs Jojo has.

Format Output

For each test case print "BISA" if Jojo can make triangles from the 3 logs or print "TIDAK BISA" if Jojo cannot make triangles from the 3 logs.

Constraints

- 1 < T < 1000
- $1 \le A, B, C \le 10^9$

Sample Input (standard input)

5		
1 2 3		
4 5 30		
2 2 1		
3 4 5 5 5 5		
5 5 5	OIMALKS	

Sample Output (standard output)

TIDAK BISA
TIDAK BISA
BISA
BISA
BISA

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Note

If $x \le y \le z$ and x + y > z so it can be made to be a triangle (x, y, z) are the length of sides of triangles).



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Jojo sedang belajar tentang segitiga. Ia penasaran apakah dengan 3 batang kayu yang ia punyai dapat membentuk segitiga atau tidak. Bantulah Jojo menentukan apakah ia dapat membuat segitiga atau tidak!

Format Input

Baris pertama berisi sebuah bilangan bulat T yang menyatakan banyak kasus uji. T baris berikutnya masing-masing berisi tiga buah bilangan bulat A, B, C yang menyatakan panjang batang kayu yang dimiliki Jojo.

Format Output

Untuk setiap kasus uji cetak "BISA" jika Jojo dapat membuat segitiga dari 3 batang kayu tersebut atau cetak "TIDAK BISA" jika Jojo tidak dapat membuat segitiga dari 3 batang kayu tersebut.

Constraints

- $1 \le T \le 1000$
- $1 \le A, B, C \le 10^9$

Sample Input (standard input)

5 1 2 3 4 5 30 2 2 1 3 4 5 5 5 5

Sample Output (standard output)

TIDAK BISA
TIDAK BISA
BISA
BISA
BISA

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Note

Jika $x \leq y \leq z$ dan x+y>z maka dapat dibuat menjadi segitiga (x,y,z merupakan panjang sisi segitiga).



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