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Valid Triangles

Problem Code: **FLOW013**

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Write a program to check whether a triangle is valid or not, when the three angles of the triangle are the inputs. A triangle is valid if the sum of all the three angles is equal to 180 degrees.

Input

The first line contains an integer **T**, the total number of testcases. Then **T** lines follow, each line contains three angles **A**, **B** and **C**, of the triangle separated by space.

Output

For each test case, display 'YES' if the triangle is valid, and 'NO', if it is not, in a new line.

Constraints

- $1 \leq T \leq 1000$
- $1 \leq A,B,C \leq 180$

Example

Input

```
3
40 40 100
45 45 90
180 1 1
```

Output

```
YES
YES
NO
```

All submissions for this problem are available.

Author: **1★ vicky002**

Tags: [vicky002](#)

Date Added: 27-04-2015

Time Limit: 1 secs

Source Limit: 50000 Bytes

Languages: CPP14, C, JAVA, PYTH 3.6, PYTH, CS2, ADA, PYPY, PYP3, TEXT, PAS fpc, RUBY, PHP, NODEJS, GO, TCL, HASK, PERL, SCALA, BASH, JS, PAS gpc, BF, LISP sbcl, CLOJ, LUA, D, CAML, ASM, FORT, FS, LISP clisp, SCM guile, PERL6, CLPS, WSPC, ERL, ICK, NICE, PRLG, ICON, PIKE, SCM chicken, SCM qobi, ST, NEM

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