A. Square?

time limit per test: 1 second
memory limit per test: 256 megabytes

You are given 4 sticks of lengths a, b, c, and d. You can not break or bend them.

Determine whether it is possible to form a square* using the given sticks.

*A *square* is defined as a polygon consisting of 4 vertices, of which all sides have equal length and all inner angles are equal. No two edges of the polygon may intersect each other.

Input

The first line contains a single integer t ($1 \le t \le 10^4$) — the number of test cases.

The only line of each test case contains four integers a, b, c, and d ($1 \le a, b, c, d \le 10$) — the lengths of the sticks.

Output

For each test case, print "YES" if it is possible to form a square using the given sticks, and "NO" otherwise.

You may print each letter in any case (uppercase or lowercase). For example, the strings "yEs", "yes", "Yes", and "YES" will all be recognized as a positive answer.

Example

input Copy

```
7
1 2 3 4
1 1 1 1
2 2 2 2
1 2 1 2
1 1 5 5
5 5 5 5
4 10 5 9
```

output Copy

```
NO
YES
YES
NO
NO
YES
NO
```

Note

In the first test case, we can prove that we can't make a square.

In the second, third, and sixth test cases, we can make a square like this:

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Finished
Practice

→ Virtual participation

Virtual contest is a way to take part in past contest, as close as possible to participation on time. It is supported only ICPC mode for virtual contests. If you've seen these problems, a virtual contest is not for you - solve these problems in the archive. If you just want to solve some problem from a contest, a virtual contest is not for you - solve this problem in the archive. Never use someone else's code, read the tutorials or communicate with other person during a virtual contest.

Start virtual contest

→ Clone Contest to Mashup

You can clone this contest to a mashup.

Clone Contest

→ Submit?

Language: GNU G++17 7.3.0

Choose file: Escolher Arquivo Nenhu...colhido

Submit

→ Last submissions

Submission	Time	Verdict
346343795	Oct/28/2025 19:37	Accepted

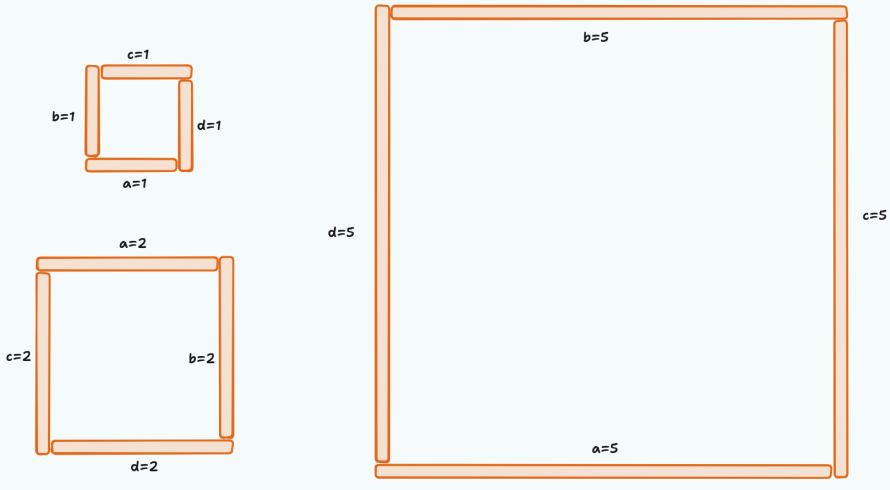
→ Problem tags

math sortings *800

No tag edit access

→ Contest materials

- Announcement (en)
- Arpa Video Tutorial (en)
- Tutorial #2 (en)



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