

Codeforces and Polygon may be unavailable between [Aug. 17, 19:00 \(UTC\)](#) to [Aug. 17, 22:00 \(UTC\)](#) due to planned power outages. ×

[PROBLEMS](#) [SUBMIT](#) [STATUS](#) [STANDINGS](#) [CUSTOM TEST](#)

A. Lucky?

time limit per test: 1 second
 memory limit per test: 256 megabytes
 input: standard input
 output: standard output

A ticket is a string consisting of six digits. A ticket is considered lucky if the sum of the first three digits is equal to the sum of the last three digits. Given a ticket, output if it is lucky or not. Note that a ticket can have leading zeroes.

Input

The first line of the input contains an integer t ($1 \leq t \leq 10^3$) — the number of testcases.

The description of each test consists of one line containing one string consisting of six digits.

Output

Output t lines, each of which contains the answer to the corresponding test case. Output "YES" if the given ticket is lucky, and "NO" otherwise.

You can output the answer in any case (for example, the strings "yEs", "yes", "Yes" and "YES" will be recognized as a positive answer).

Example

input	Copy
5 213132 973894 045207 000000 055776	
output	Copy
YES NO YES YES NO	

Note

In the first test case, the sum of the first three digits is $2 + 1 + 3 = 6$ and the sum of the last three digits is $1 + 3 + 2 = 6$, they are equal so the answer is "YES".

In the second test case, the sum of the first three digits is $9 + 7 + 3 = 19$ and the sum of the last three digits is $8 + 9 + 4 = 21$, they are not equal so the answer is "NO".

In the third test case, the sum of the first three digits is $0 + 4 + 5 = 9$ and the sum of the last three digits is $2 + 0 + 7 = 9$, they are equal so the answer is "YES".

Codeforces Round #790 (Div. 4)

Finished

→ 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

→ Problem tags

implementation *800

No tag edit access

→ Contest materials

- Announcement (en) ×
- Tutorial (en) ×



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