

# [RU04-易] Witchcraft

Time limit 1 second

## Problem Description

Write a program to help a witch find out the correct composition of a secret lotion. The witch has three kinds of ingredients: alligator legs, bat eyes, and cat skulls, which we will refer to as  $a$ ,  $b$ , and  $c$ . These three ingredients have three different levels of magic power, which we will refer to as  $A$ ,  $B$ , and  $C$  respectively. If we put just the right amount of these ingredients together so that the sum of their magic power is exactly  $D$ , then we will be able to make the secret lotion. If we cannot put together just the right amount of magic power, we cannot make the lotion.

Now given the amounts of  $a$ ,  $b$ , and  $c$ , determine if the witch can make the lotion.

## Input File Format

Each input has  $N$  input cases, which appears first in the input. The next  $N$  lines each is an input case. Each input case is a line of 7 integers. The first number is the amount of magic power desired ( $D$ ), and the next three numbers are the units of supply of the three ingredients the witch has ( $a$ ,  $b$ ,  $c$ ), and the last three numbers are the levels of magic power of these three ingredients ( $A$ ,  $B$ ,  $C$ ). All the numbers are nonnegative integers. In addition,  $a$ ,  $b$ , and  $c$  are at most 100.

## Output Format

The output has  $N$  lines, each for a input case. If the witch is able to make the lotion using the supplies she has, please output "yes", otherwise output "no".

## Example

Sample Input:	Sample Output:
2	yes
1134 100 100 100 7 13 17	no
1134 4 5 6 100 200 300	