

Chef has an ingredient weighing W units.
He also has three weights each of X , Y , and Z units respectively.
Help him determine whether he can measure the **exact** weight of the ingredient with one or more of these weights.

Input Format

- The first line of input will contain a single integer T , denoting the number of test cases.
- Each test case consists of single line containing a four positive integers W, X, Y , and Z .

Output Format

For each test case, output on a new line YES if it is possible to measure the weight of object with one or more of these weights, otherwise print NO.

Sample 1:

Input	Output
4	NO
5 2 1 6	YES
7 9 7 2	YES
20 8 10 12	NO
20 10 11 12	

Explanation:

Test Case 1: It is not possible to measure 5 units using any combination of given weights.

Test Case 2: Chef can use the second weight of 7 units to measure the object exactly.

Test Case 3: Chef can use combination of first and third weights to measure $8 + 12 = 20$ units.

Test Case 4: Chef cannot measure 20 units of weight using any combination of given weights.

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1 # Update the code below to solve the problem
2
3 t = int(input())
4 for i in range(t):
5     w, x, y, z = map(int,input().split())
6     if ((x+y)==w) or ((x+z)==w) or ((y+z)==w) or (w in [x, y, z]) or ((x+y+z)==w):
7         print("yes")
8     else:
9         print("no")
```

Test against Custom Input

4
5 2 1 6
7 9 7 2
20 8 10 12

Input