 <b>Marwadi University</b>	<b>Marwadi University</b> <b>Faculty of Technology</b> <b>Department of Information and Communication Technology</b>	
<b>Sem : 4</b>	<b>Name : VEDANT BHARAD</b>	
<b>Day : 77</b>	<b>Date : 2/1/2023</b>	<b>Enrollment No: 92100133023</b>

## CP Club 365 Days Challenge

Programming language – Python

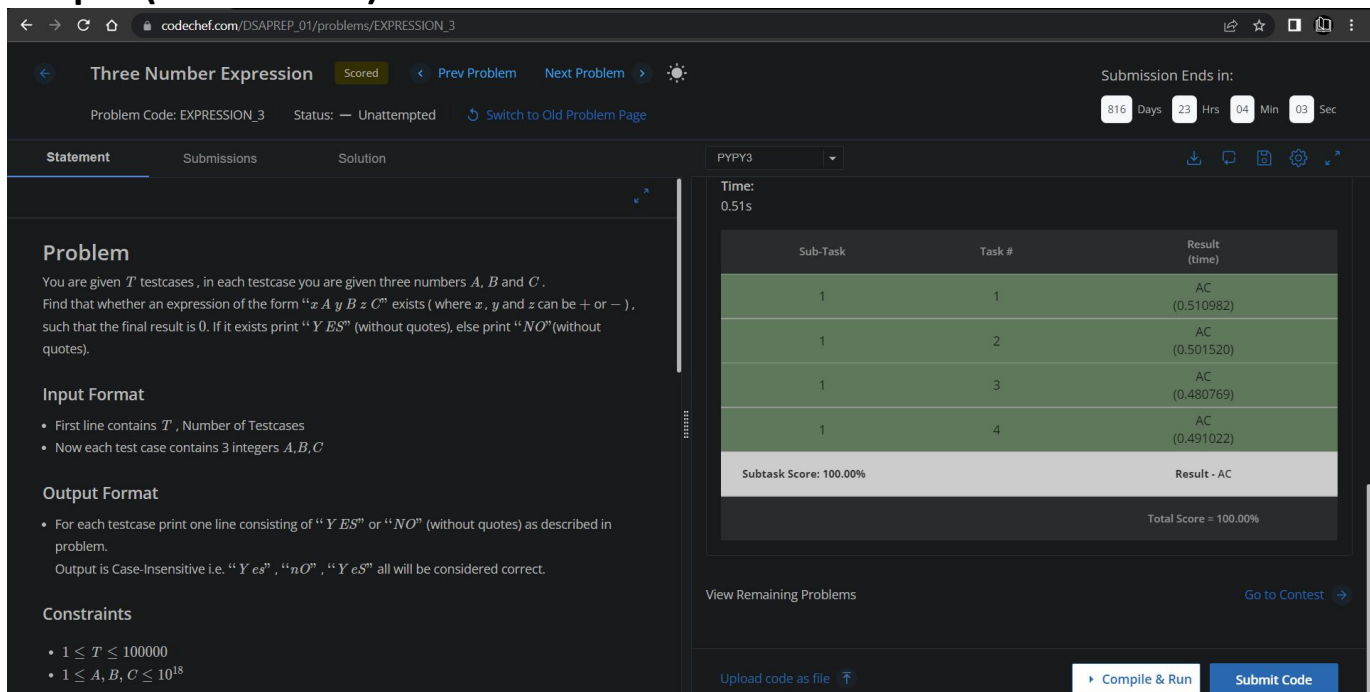
### Problem Statement

[https://www.codechef.com/DSAPREP\\_01/problems/EXPRESSION\\_3](https://www.codechef.com/DSAPREP_01/problems/EXPRESSION_3)

### Your Code:

```
# 0x77Day of 0x365Days challenge
# VEDANT BHARAD
# 2-1-2023
t=int(input())
while t>0:
    A,B,C=map(int,input().split())
    v=[A,B,C]
    v.sort()
    if v[2]-(v[1] +v[0])==0:
        print("YES")
    else:
        print("NO")
    t-=1
```

### Output (Screen Shot):



The screenshot shows the CodeChef problem page for "Three Number Expression". The problem statement asks to determine if an expression of the form  $x A y B z C$  exists, where  $x, y, z$  can be  $+$  or  $-$ , such that the final result is 0. If it exists, print "YES", else print "NO".

**Input Format:**

- First line contains  $T$ , Number of Testcases
- Now each test case contains 3 integers  $A, B, C$

**Output Format:**


- For each test case print one line consisting of "YES" or "NO" (without quotes) as described in problem.
- Output is Case-Insensitive i.e. "Yes", "nO", "YeS" all will be considered correct.

**Constraints:**

- $1 \leq T \leq 100000$
- $1 \leq A, B, C \leq 10^{18}$

The submission result table shows the following data:

Sub-Task	Task #	Result (time)
1	1	AC (0.510982)
1	2	AC (0.501520)
1	3	AC (0.480769)
1	4	AC (0.491022)
Subtask Score: 100.00%		Result - AC
Total Score = 100.00%		

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### Understanding about problem:

- In this task I need find whether an expression of the form “ $xAyBzC$ ” exists (where  $x$  ,  $y$  and  $z$  can be + or - ) , such that the final result is 0 if result is 0 return YES else NO.

Note: If you can't understand the problem, feel free to contact us and we'll help you. Please don't copy and paste from anywhere.

**ALL THE BEST**

Team CP Club