Problem Link:

<https://codeforces.com/problemset/problem/1294/A>

Solution:

* **#include** <bits/stdc++.h>
* **using** **namespace** std;
* **int** main() {
* **int** t;
* cin >> t;
* **while**(t--) {
* **long** **long** a, b, c, n;
* cin >> a >> b >> c >> n;
* **long** **long** m = max(a, max(b, c));
* **long** **long** r = m \* 3 - (a + b + c);
* **if**(r <= n && (n - r) % 3 == 0)
* {
* cout << **"YES\n"**;
* }
* **else**
* {
* cout << **"NO\n"**;
* }
* }
* **return** 0;
* }