# Problem B : Ines and summations

## Statement:

Ines is very good at mathematics so her friends challenged her to a problem. They gave her an array of numbers **a** and a number **k** and allowed her to do the following operation on the array any number of times as long as there are 2 or more elements in the array :

- Take two array elements a<sub>i </sub> and a<sub>j </sub> nd remove them from the array then insert the value (a<sub>i </sub> + a<sub>j </sub>) into any position of the array.

Determine if Ines can reduce the array using the operation provided to a single value that is divisble by **k**.

## Input :

The first line contains a single integer **T** (1≤T≤100) — the number of test cases. Then the test cases follow. Each test case consists of one line.

The first line contains two integers **n**, **k** (1≤n, k≤10<sup>5 </sup> ) — where n is the length of the array and k is the number described above.

The second line contains n integers a<sub>i</sub> (1≤ a<sub>i</sub> ≤10<sup>3 </sup> ) describing the array a.

## Output :

For each test output "YES" (all uppercase) if it is possible to obtain a value divisible by **k** and "NO" otherwise.

## Example:

Input :

```
3
3 3
4 4 1
4 5
12 5 6 8
1 3
3
```

Output :

```
YES
NO
YES
```

In the first test case one possible sequence of operations is :
4 4 1 -> 8 1 -> 9