# Seats Wanted!

**Author:**
**Time limit:** 1 second
**Memory limit:** 256 megabytes

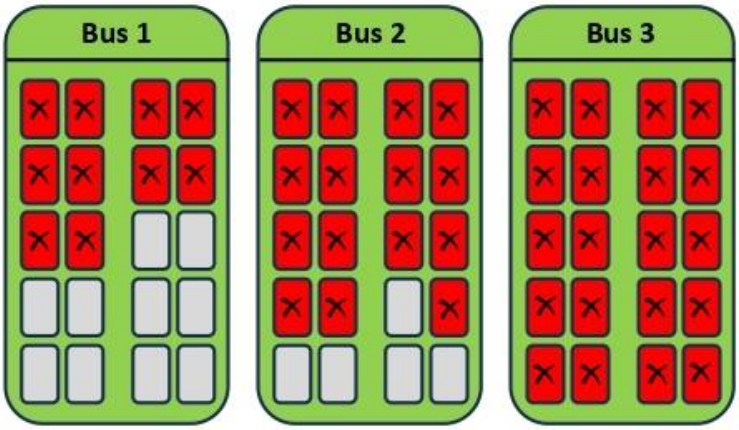
Jashim uncle is a kind individual at our university, IIUC, who oversees the transportation division. Whenever a student faces a problem with transportation, Jashim uncle genuinely shows concern and tries to help.

Today, Samia and her friends have planned to go to a restaurant to have lunch together after their classes using the university bus. Their group consists of ***n*** people, including Samia. To travel together, they need a bus with at least ***n*** seats.

IIUC has ***b*** buses in total, and each bus has exactly ***s*** seats. Checking each bus individually for available seats is time-consuming and tedious for Samia and her friends. Therefore, they asked Jashim uncle for help. Jashim uncle maintains a list of the information for all the buses. For $i^{th}$ bus ***(1 <= i <= b)***, he knows the number of seats already taken, denoted as $taken\_seats_i$ ***(0 <= taken_seats$_i$ <= s)***. He reviewed the list.

Write a program to determine if there is a bus with at least n seats available.

The visual representation of the third test case is given below:



**Input**

The input begins with an integer ***t (1 ≤ t ≤ 1000)***, representing the number of test cases. Each test case consists of two lines.

For each test case:

- The first line contains three space-separated integers: ***n (1 ≤ n ≤ 50)*** representing the total number of group members, ***b (1 ≤ b ≤ 100)*** representing the total number of buses, and ***s (1 ≤ s ≤ 100)*** representing the number of seats on every bus.
- The second line contains b space-separated integers denoting the number of seats already taken for each bus. The number of seats taken for the $i^{th}$ bus is represented as $taken\_seats_i$ $(0 \leq taken\_seats_i \leq s)$, where $1 \leq i \leq b$.

**Output**

After reviewing the list, if there is a bus with at least ***n*** seats available, print "Yes". Otherwise, print "No".

**Examples**

| Input | Output |
|---|---|
| **3**<br>**7 10 40**<br>**40 37 35 39 34 40 33 30 35 39**<br>**20 5 30**<br>**15 20 30 25 20**<br>**5 3 20**<br>**10 15 20** | **Yes**<br>**No**<br>**Yes** |