Problem A
Time Scheduling

Input File: *testdata.in*
Time Limit: 3 seconds

Problem Description

Employees in the XXX company are usually bothered with finding a common free time slot to meet. To help finding a suitable time slot, the company plans to develop a system to schedule meetings. To use the system, whenever a meeting is to be scheduled, each person who needs to join this meeting will submit his or her free time slots to the system. Then, the system detects whether there is a common free time slot so that the meeting can be arranged. The common free time slot needs to be at least 1 hour.

In general, there are N employees to be engaged in a certain meeting. Each Employee i ($1 \le i \le N$) specifies x_i non-overlapping time slots that he or she is free. You are the system developer, and are told to write a program to determine whether employees can schedule a meeting.

Technical Specifications

1. The number of test cases would be smaller than or equal to 20.

2. The number of employees, N, would satisfy $1 \le N \le 10^4$.

3. The number of free time slots for Employee i, x_i, would satisfy $0 \le x_i \le 10$.

4. Each free time slot is specified by a pair of integers s and t, with $0 \le s < t \le 2^{31} - 1$, indicating that the free time slot starts at time s and ends at time t (that is, with $t - s$ hours of free time).

Input Format

The first line of the input file contains an integer indicating the number of test cases to follow. Each case contains an integer N in the first line, which is followed by N lines that specify the free time slots of the N employees. In particular, in the ith line of these N lines, the first integer gives x_i, which is followed by x_i pairs of integers.

Output Format

For each test case, output `Yes` in a line if there is a common free time slot, and `No` otherwise.

Sample Input

```
2
3
2 2014020201 2014020203 2014020205 2014020207
1 2014020202 2014020204
1 2014020201 2014020204
3
2 2014020201 2014020203 2014020206 2014020207
1 2014020315 2014020318
1 2014020305 2014020310
```

Sample Output

```
Yes
No
```