Hitoshizuku

Input file:	`standard input`
Output file:	`standard output`
Time limit:	2 seconds
Memory limit:	1024 megabytes

Even a drifting cloud keeps on going
Without knowing what lies one second away
Into the tomorrow that dulls and fogs over
from my anxiety as well.

There are $3n$ girls in a school who wish to form n bands, with each band consisting of three girls. The i-th girl has a charm value a_i, which is a comprehensive value that takes into account various aspects, such as piano skills, stress levels, or even poetry recitation abilities.

To ensure the bands are envy-free and stress-free, each girl reported a value b_i representing the maximum charm value she is willing to share a song with. Specifically, the i-th girl does not want to be in the same band with girls having charm values greater than b_i. Since no girl would envy herself, it is guaranteed that $b_i \geq a_i$.

Can these girls be divided into n bands such that everyone is satisfied with her assignment? Only the charm value should be taken into consideration, as guitar skills can be practiced, and singing abilities can be developed; as long as everyone works together, there are no obstacles.

Input

The input consists of multiple test cases. The first line contains an integer T ($1 \leq T \leq 10^5$), the number of test cases. For each test case:

- The first line contains an integer n ($1 \leq n \leq 10^5$).
- Then $3n$ lines follow, each of which contains two integers a_i and b_i ($1 \leq a_i \leq b_i \leq 10^9$), representing the charm value and the reported maximum charm value limit of the i-th girl, respectively.

It is guaranteed that the sum of n across all test cases does not exceed 10^5.

Output

For each test case:

- If there is a way to divide the girls into n bands, output `Yes` in the first line. In the following n lines, output three numbers indicating the indices of the girls in the same band. Ensure that the output forms a partition of $\{1, 2, \ldots, 3n\}$, with each part containing exactly 3 elements.
- Otherwise, output `No` in one line.

Example

standard input	standard output
2 2 1 2 2 2 2 3 3 5 4 4 4 5 1 1 1 1 1000000000 1000000000 1000000000	Yes 1 2 3 5 4 6 No