

Candy and Cookie

Time limit: 1 second

Memory limit: 2048 megabytes

You have two kinds of desserts. One is candies, and the other is cookies. You want to distribute them to your friend. You can only choose to give each friend two candy and one cookie, or one candy and two cookies. If the amount of candy or cookies is not enough to give, then you will stop distribution. Your task is to find out whether you can give all your dessert away.

- **Input Format**

The first line has one integer **t** represents the number of test case.

Next **t** lines, every line has two integers **a** and **b**. **a** represents the number of candy and **b** represents the number of cookies.

- **Output Format**

For each test case, if the dessert can be given all away, print “YES”, otherwise, print “NO”.

- **Technical Specifications**

- $1 \leq t \leq 10^5$
- $1 \leq a, b \leq 10^9$

Input	Output
3 2 1 2 2 3 3	YES NO YES
1 11 4	NO