Maximum Non-overlapping Bridges

1. You are given a number n, representing the number of bridges on a river.  
2. You are given n pair of numbers, representing the north bank and south bank co-ordinates of each bridge.  
3. You are required to print the count of maximum number of non-overlapping bridges.

Input Format

A number n  
.. n pair of number each on a separate line (and pair separated by space)

Output Format

A number representing the count of maximum number of non-overlapping bridges.

Constraints

0 <= n <= 20  
0 <= n1n, n1s, n2n, n2s, .. <= 100

Sample Input

10  
10 20  
2 7  
8 15  
17 3  
21 40  
50 4  
41 57  
60 80  
80 90  
1 30

Sample Output

7