You are given an array of n pairs pairs where pairs[i] = [lefti, righti] and lefti < righti.

A pair p2 = [c, d] **follows** a pair p1 = [a, b] if b < c. A **chain** of pairs can be formed in this fashion.

Return *the length longest chain which can be formed*.

You do not need to use up all the given intervals. You can select pairs in any order.

**Example 1:**

Input: pairs = [[1,2],[2,3],[3,4]]  
Output: 2  
Explanation: The longest chain is [1,2] -> [3,4].

**Example 2:**

Input: pairs = [[1,2],[7,8],[4,5]]  
Output: 3  
Explanation: The longest chain is [1,2] -> [4,5] -> [7,8].

**Constraints:**

* n == pairs.length
* 1 <= n <= 1000
* -1000 <= lefti < righti <= 1000