**Soldier Rank**

Soldiers are getting ranked and the general would like to know who the lower ranked soldiers are based off each soldiers’ attack and defense. A soldier is lower ranked if any other soldier has both attack and defense **strictly** greater than the soldier’s attack and defense levels.

**Input:** The first line of input contains **S**, the number of soldiers. The next **S** lines contain two integers **A** and **D**, the attack and defense of that soldier.

**Output:** The number of lower ranked soldiers based off the description.

**Example Input:**

3

1 5

10 4

4 3

**Example Output:**

1

**Explanation:** The third soldier is lower ranked because the second character has a strictly greater attack and defense.