2001. Number of Pairs of Interchangeable Rectangles

You are given n rectangles represented by a **0-indexed** 2D integer array `rectangles`, where `rectangles[i]` = `[width_i, height_i]` denotes the width and height of the ith rectangle.

Two rectangles i and j ($i < j$) are considered **interchangeable** if they have the **same** width-to-height ratio. More formally, two rectangles are **interchangeable** if $width_i/height_i$ == $width_j/height_j$ (using decimal division, not integer division).

Return *the **number** of pairs of **interchangeable** rectangles in* `rectangles`.

Example 1:

Input: rectangles = [[4,8],[3,6],[10,20],[15,30]]

Output: 6

Explanation: The following are the interchangeable pairs of rectangles by index (0-indexed):

- Rectangle 0 with rectangle 1: 4/8 == 3/6.

- Rectangle 0 with rectangle 2: 4/8 == 10/20.

- Rectangle 0 with rectangle 3: 4/8 == 15/30.

- Rectangle 1 with rectangle 2: 3/6 == 10/20.

- Rectangle 1 with rectangle 3: 3/6 == 15/30.

- Rectangle 2 with rectangle 3: 10/20 == 15/30.

Example 2:

Input: rectangles = [[4,5],[7,8]]

Output: 0

Explanation: There are no interchangeable pairs of rectangles.

Constraints:

- `n == rectangles.length`
- $1 <= n <= 10^5$
- `rectangles[i].length == 2`
- $1 <= width_i, height_i <= 10^5$