Problem A
Dyad

Time Limit: 2 seconds

A shop sells sweets in pairs.

There are N products. The i-th product contains a pair of sweets: one of type A_i and one of type B_i. A_i and B_i may be equal.

If you buy two different products, you will obtain four sweets in total. There are twins, and you want to give exactly two sweets to each of them. The twins are only satisfied if the multiset of sweet types received by each twin is identical.

Count the number of ways to choose two different products such that it is possible to distribute the sweets to the twins in this way.

Input

The input is given in the following format:

$$
\begin{aligned}
&N \\
&A_1\ B_1 \\
&A_2\ B_2 \\
&\vdots \\
&A_N\ B_N
\end{aligned}
$$

- $2 \leq N \leq 300\,000$
- $1 \leq A_i, B_i \leq N$ $(1 \leq i \leq N)$
- All input values are integers.

Output

Output the answer in a single line.

Sample Input	Sample Output
4 2 3 3 2 1 1 2 2	2