

# Absecutive

Problem category: Math

Expected difficulty: 500

## Solution

First, note that the result will have at least  $r - l$  good pairs. Then, if  $l$  is negative and  $r$  is positive, there will be additional pairs:

- One for each negative value whose magnitude is one less than a positive value;
- One for each positive value that is one less than the magnitude of a negative value.

Just be careful to use an appropriate data type for the answer, as it can range between  $[0, 4 \cdot 10^9 - 2]$ .

## Complexity

The answer can be computed in constant time, so the time complexity is  $O(1)$ .

Although a linear-time algorithm would work, it would exceed the time limit, since it would require at most  $10^9$  iterations per test case.