About ∨

After enjoying CS101 in the morning, you decide to eat at Baiyulan dining hall. However, as the teaching assistant, Yining She, said in the video (BV17t4y1q7yU), the extremely LONG LONG queue of people blocks your way to the food. You start to be impatient and look for your friends. At the same time, two facts arouse your curiosity.

- If two students A and B are adjacent to each other in a queue, they are visible to each other.
- If students between A and B are not taller than the shorter one of A and B, A and B are still able to see each other.
- If anyone of the students between A and B is taller than the shorter one of A and B, those two students are not able to see each other.

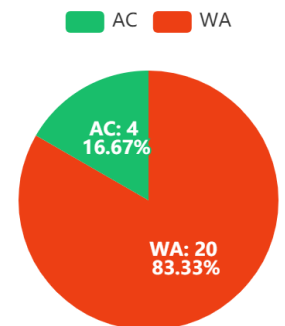Please count how many pairs of students can see each other.
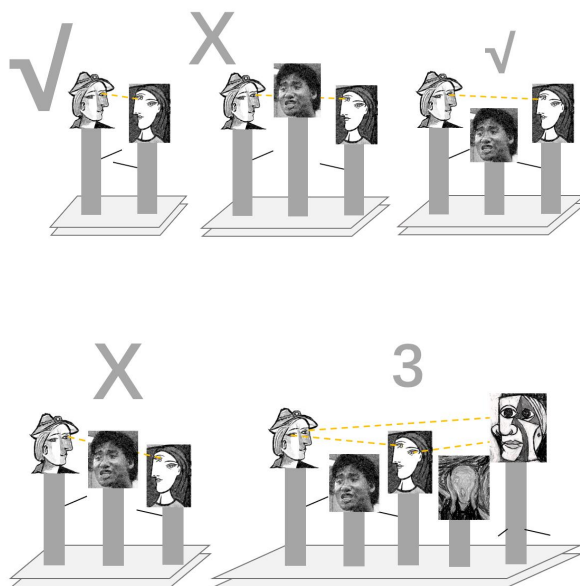
❶ About ⌄

- For 60% cases, $N <= 1e4$
- For 100% cases, $N <= 5e5$, height$<= 1e4$

Output

An integer P, indicating P pairs of people are visible to each other. It is guaranteed $P <= 1e9$

Sample Input 1 📋

```
7
1 5 2 2 1 4 2
```

Sample Output 1

```
10
```

Language: C   ▾   ↻

☁

```
1
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✏ Submit