801. Minimum Swaps To Make Sequences Increasing

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User Accepted:	0
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Total Accepted:	0
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Difficulty:	Medium

We have two integer sequences `A` and `B` of the same non-zero length.

We are allowed to swap elements `A[i]` and `B[i]`. Note that both elements are in the same index position in their respective sequences.

At the end of some number of swaps, `A` and `B` are both strictly increasing. (A sequence is *strictly increasing* if and only if `A[0] < A[1] < A[2] < ... < A[A.length - 1]`.)

Given A and B, return the minimum number of swaps to make both sequences strictly increasing. It is guaranteed that the given input always makes it possible.

```
Example:
Input: A = [1,3,5,4], B = [1,2,3,7]
Output: 1
Explanation:
Swap A[3] and B[3].  Then the sequences are:
A = [1, 3, 5, 7] and B = [1, 2, 3, 4]
which are both strictly increasing.
```

Note:

- `A, B` are arrays with the same length, and that length will be in the range `[1, 1000]`.
- `A[i], B[i]` are integer values in the range `[0, 2000]`.