@LeetCode

Given an array of integers `A`, find the sum of `min(B)`, where `B` ranges over every (contiguous) subarray of `A`.

Since the answer may be large, **return the answer modulo `10^9 + 7`.**

Example 1:

```
Input: [3,1,2,4]

Output: 17

Explanation: Subarrays are [3], [1], [2], [4], [3,1], [1,2], [2,4], [3,1,2], [1,2,4],
[3,1,2,4].

Minimums are 3, 1, 2, 4, 1, 1, 2, 1, 1, 1.  Sum is 17.
```

Note:

1. `1 <= A.length <= 30000`
2. `1 <= A[i] <= 30000`