Given an array of integers arr, find the sum of min(b), where b ranges over every (contiguous) subarray of arr. Since the answer may be large, return the answer **modulo** 109 + 7.

**Example 1:**

Input: arr = [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.

**Example 2:**

Input: arr = [11,81,94,43,3]  
Output: 444

**Constraints:**

* 1 <= arr.length <= 3 \* 104
* 1 <= arr[i] <= 3 \* 104