Given an integer array arr and an integer k, modify the array by repeating it k times.

For example, if arr = [1, 2] and k = 3 then the modified array will be [1, 2, 1, 2, 1, 2].

Return the maximum sub-array sum in the modified array. Note that the length of the sub-array can be 0 and its sum in that case is 0.

As the answer can be very large, return the answer **modulo** 10^9 + 7.

**Example 1:**

**Input:** arr = [1,2], k = 3

**Output:** 9

**Example 2:**

**Input:** arr = [1,-2,1], k = 5

**Output:** 2

**Example 3:**

**Input:** arr = [-1,-2], k = 7

**Output:** 0

**Constraints:**

* 1 <= arr.length <= 10^5
* 1 <= k <= 10^5
* -10^4 <= arr[i] <= 10^4