You are given an integer array nums and an integer k. Append k **unique positive** integers that do **not** appear in nums to nums such that the resulting total sum is **minimum**.

Return*the sum of the* k *integers appended to* nums.

**Example 1:**

**Input:** nums = [1,4,25,10,25], k = 2

**Output:** 5

**Explanation:** The two unique positive integers that do not appear in nums which we append are 2 and 3.

The resulting sum of nums is 1 + 4 + 25 + 10 + 25 + 2 + 3 = 70, which is the minimum.

The sum of the two integers appended is 2 + 3 = 5, so we return 5.

**Example 2:**

**Input:** nums = [5,6], k = 6

**Output:** 25

**Explanation:** The six unique positive integers that do not appear in nums which we append are 1, 2, 3, 4, 7, and 8.

The resulting sum of nums is 5 + 6 + 1 + 2 + 3 + 4 + 7 + 8 = 36, which is the minimum.

The sum of the six integers appended is 1 + 2 + 3 + 4 + 7 + 8 = 25, so we return 25.

**Constraints:**

* 1 <= nums.length <= 105
* 1 <= nums[i], k <= 109