Next Smallest Palindrome

Given a number, in the form of an array **Num[]** of size **N** containing digits from **1 to 9**(inclusive). The task is to find the **next smallest palindrome strictly larger than the given number.**

Example 1:

```
Input:
N = 11
Num[] = {9, 4, 1, 8, 7, 9, 7, 8, 3, 2, 2}
Output: 9 4 1 8 8 0 8 8 1 4 9
Explanation: Next smallest palindrome is
9 4 1 8 8 0 8 8 1 4 9
```

Example 2:

```
Input:
N = 5
Num[] = {2, 3, 5, 4, 5}
Output: 2 3 6 3 2
Explanation: Next smallest palindrome is
2 3 6 3 2
```

Your Task:

Complete the function **generateNextPalindrome()** which takes an array **num,** and a single integer **n**, as input parameters and returns an array of integers denoting the answer. You don't to print answer or take inputs.

Expected Time Complexity: O(N)
Expected Auxiliary Space: O(1)

Constraints:

$1 <= N <= 10^5$

$1 <= Num[i] <= 9$