Prime List

You are given the head of a linked list. You have to replace all the values of the nodes with the nearest **prime** number. If more than one prime number exists at an equal distance, choose the **smallest** one.

Example 1:

```
Input:
2 → 6 → 10
Output:
2 → 5 → 11
Explanation:
The nearest prime of 2 is 2 itself.
The nearest primes of 6 are 5 and 7,
since 5 is smaller so, 5 will be chosen.
The nearest prime of 10 is 11.
```

Example 2:

```
Input:
1 → 15 → 20
Output:
2 → 13 → 19
Explanation:
The nearest prime of 1 is 2.
The nearest primes of 15 are 13 and 17,
since 13 is smaller so, 13 will be chosen.
The nearest prime of 20 is 19.
```

Your Task:

The task is to complete the function **primeList**() which contains a reference to the

head as the only argument. This function should return the head of the modified linked list.

Expected Time Complexity: O(number of nodes * sqrt(value of node)).
Expected Auxiliary Space: O(1).

Constraints:
$1 \leq$ Number of Nodes $\leq 10^4$
$1 \leq$ Value on Node $\leq 10^4$