Answers

The run time complexity would me O(n^2) because the array would be resized for each element when that element is inserted in the array.

To modify the given algorithm, I first find the maximum and minimum values in the given vector and then make a new array of size (max – min + 10). The array will store the number of times a number is repeated in the array. Then I simply copy the values to given vector the number of times the are duplicated.