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Description automatically generatedFirst I will show the output of the code without the removenode() function working:

After removing the fourth node in the list the output is as follows:

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The code consists of three files (the main, the class header, and the class functions)

The function remove node, addnode, and print list show the nodes by adding count to each old element, subtracting count, or displaying each element and its count. Therefore, the sum function of the list utilizes count to get the sum of the integers in the vector. Below are the mentioned functions.

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