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#include <iostream>
#include <iterator>
#include <vector>

using namespace std;

int main() {
    vector<int> backInsertionVector = {1, 2, 3};
    vector<int> forwardVector = {1, 2, 3};

    back_inserter<vector<int>> bins(backInsertionVector);
    vector<int>::iterator fit = forwardVector.begin();

    *fit = 20;
    *fit = 30;
    fit++;

    *bins = 20;
    *bins = 30;
    bins++;

    for (int i : backInsertionVector) {
        cout << i << " ";
    }

    cout << "\n";

    for (int i : forwardVector) {
        cout << i << " ";
    }

    cout << "\n";

    return 0;
}
```