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#include <iostream>
#include <vector>
#include "Random.h"
#include "MaxSubSum.h"
using namespace std;

void print_vector(vector<int> v)
{
    cout << endl;
    for (auto x : v)
        cout << x << " ";
    cout << endl;
}

int main()
{
    vector<int> mynums;
    random_vector_norep(25, 1, 1000, mynums, 4);

    cout << "Here are 25 numbers ... " << endl;
    print_vector(mynums);
    cout << endl;

    int ops1;
    int ops4;

    int max1 = max_sub_sum_alg1(mynums, ops1);

    cout << "Alg1 found maximal subsum "
         << max1 << " with " << ops1
         << " additions";
    cout << endl << endl;
}

```

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    int max4 = max_sub_sum_alg4(mynums, ops4);

    cout << "Alg4 found maximal subsum "
          << max4 << " with " << ops4
          << " additions";
    cout << endl << endl;

    return 0;
}
```