

```
#include <iostream>

using namespace std;

int main()
{
    int units;
    double rent, thresh, profit, cost, prev_profit;

    cout << "Enter the units rented: ";
    cin >> units;
    cout << "Enter the rent of one unit: ";
    cin >> rent;
    cout << "Enter the rent increase that results in one vacancy: ";
    cin >> thresh;
    cout << "Enter the average maintenance cost per unit: ";
    cin >> cost;

    prev_profit = 0;
    profit = 1;

    cout << "\nRent\t" << "Units\t" << "Profit\t" << endl;

    while (profit > prev_profit)
    {
        prev_profit = profit;
        double gross = rent*units;
        double less = units*cost;
        profit = gross - less;
        if (profit < prev_profit)
            break;
        cout << rent << "\t";
        cout << units << "\t";
        cout << profit << "\t" << endl;
        units--;
        rent = rent + thresh;
    }

    return 0;
}
```