

```

#include <iostream>
using namespace std;

/**
    2018 1c
*/

class DB;

class DM{
    double m, cm;
public:
    DM() { }
    DM(double mm, double cmm) {
        m = mm;
        cm = cmm;
    }
    friend istream& operator>>(istream&, DM&);
    friend DM operator+(DM&, DB&);
    void show() {
        cout << m << "m " << cm << "cm" << endl;
    }
};

class DB{
    double f, in;
public:
    DB() { }
    DB(double ff, double inn) {
        f = ff;
        in = inn;
    }
    friend istream& operator>>(istream&, DB&);
    friend DM operator+(DM&, DB&);
    void show() {
        cout << f << "f " << in << "in" << endl;
    }
};

istream& operator>>(istream& strm, DM& dm) {
    strm >> dm.m >> dm.cm;
    return strm;
}

istream& operator>>(istream& strm, DB& db) {
    strm >> db.f >> db.in;
    return strm;
}

DM operator+(DM& dm, DB& db) {

```

```

    double cm = 100 * dm.m + dm.cm;
    double inch = 12*db.f + db.in;
    cm += (0.39*inch);
    double m = (int)cm/100;
    cm = cm - ( m*100 );
    DM ans(m,cm);
    return ans;
}

```

```

int main()
{
    DM dm;
    cin >> dm;

    DB db;
    cin >> db;

    dm.show();
    db.show();

    DM ans = dm+db;
    ans.show();
}

```