#include <iostream>

using namespace std;

class Distance {

private:

int feet; // 0 to infinite

int inches; // 0 to 12

public:

// required constructors

Distance() {

feet = 0;

inches = 0;

}

Distance(int f, int i) {

feet = f;

inches = i;

}

// method to display distance

void displayDistance() {

cout << "F: " << feet << " I:" << inches << endl;

}

// overloaded minus (-) operator

Distance operator- ()

{

feet = -feet;

inches = -inches;

return Distance(feet, inches);

}

};

int main() {

Distance D1(11, 10), D2(-5, 11);

-D1; // apply negation

D1.displayDistance(); // display D1

-D2; // apply negation

D2.displayDistance(); // display D2

getchar();

getchar();

}