#include <iostream>

using namespace std;

class Rational {

private:

int numerator;

int denominator;

public:

Rational(int num, int denom) : numerator(num), denominator(denom) {}

Rational operator\*(Rational other) const {

int scalarProduct = numerator \* other.numerator + denominator \* other.denominator;

return Rational(scalarProduct, 1);

}

// Оператор вывода на консоль

void display() const {

cout << numerator << "/" << denominator;

}

};

int main() {

Rational a(1, 2);

Rational b(2, 3);

// Вычисление скалярного произведения двух векторов

Rational scalarProduct = a \* b;

cout << "Scalar Product: ";

scalarProduct.display();

cout << endl;

return 0;

}