

Với các đa thức chọn ban đầu

$$P=x+1,$$

$$q=2x^2+3x+1$$

$$,r=4x^2+1,$$

$$s=x^3+5x^2+x+6$$

Tính  $f=-(p+q)*(r+s)$

Code trong hàm main;

```
int main()
{
    DT p(1);
    DT q(2);
    DT r(2);
    DT s(3);
    cout << "Nhap cac he so cua p ->" << endl;
    cin >> p;
    cout << " p= " << p << endl;
    cout << "Nhap cac he so cua q ->" << endl;
    cin >> q;
    cout << " q= " << q << endl;
    cout << "Nhap cac he so cua r ->" << endl;
    cin >> r;
    cout << " r= " << r << endl;
    cout << "Nhap cac he so cua s ->" << endl;
    cin >> s;
    cout << " s= " << s << endl;
    DT f;
    f = -(p + q) * (r + s);
    cout<<"\n\n\n";
    cout << " f=-(p+q)*(r+s)= " << f << endl;
    cout << " tai x=2,tinh theo Operator^ , f(2)=" << double(f^2) << endl;
    cout<<" tai x=2,tinh theo F,f(2)=" << F(f,2) << endl;

    system("pause");
    return 0;
}
```

Kết quả :

```

N=1
a[1]=1
a[0]=1
p= x + 1
Nhap cac he so cua q ->
N=2
a[2]=-2
a[1]=3
a[0]=1
q= 2x^2 + 3x + 1
Nhap cac he so cua r ->
N=2
a[2]=4
a[1]=0
a[0]=1
r= 4x^2 + 1
Nhap cac he so cua s ->
N=3
a[3]=1
a[2]=5
a[1]=1
a[0]=6
s= x^3 + 5x^2 + x + 6

f=-(p+q)8(r+s)= -2x^5 - 22x^4 - 40x^3 - 36x^2 - 30x - 14
tai x=2,tinh theo Operator^ , f(2)=-954
tai x=2,tinh theo F,f(2)=-954

```