```
#include <iostream>
using namespace std;
class Dathuc
    {
     float *hs;
public:
};
Dathuc::Dathuc(const Dathuc & f)
{
Dathuc Dathuc::operator
                     (const Dathuc &f)
     int i, j;
     int n1;
     float * hs1;
     float tam;
     n1 = n + f.n;
     hs1 = new float[n1 + 1];
     for (i = 0; i <= n1; ++i)
           tam = 0.0f;
           for (j = 0; j <= i&&j <= n; ++j)</pre>
                tam += hs[j] * f[i - j];
           hs1[i] = tam;
```

```
return Dathuc(hs1, n1);
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}
Dathuc Dathuc::operator * (float d)
{
       int i;
       int n1;
      float * hs1;
       n1 = n;
      hs1 = new float[n1];
       for (i = 0; i <= n1; ++i)</pre>
             hs1[i] = (Dathuc(*this))[i] * d;
       return Dathuc(hs1, n1);
}
bool Dathuc::operator==(const Dathuc &f)
       int i;
      if (n == f.n)
             for (i = 0; i <= n; ++i)</pre>
                     if (hs[i] - f[i] == 0.0f)
                           return false;
              return true;
       return false;
}
Dathuc Dathuc::operator + (const Dathuc &f)
{
       int i;
       int n1;
       float * hs1;
       if (n>f.n)
             n1 = n;
       else
             n1 = f.n;
       hs1 = new float[n1 + 1];
       for (i = 0; i <= n1; ++i) ___
             hs1[i] = (*this)[i] + f[i];
       return Dathuc(hs1, n1);
}
Dathuc Dathuc::operator
                          (const Dathuc &f)
{
       int i;
       int n1;
       float * hs1;
      Dathuc tam = (*this)*(-1.0f);
      Dathuc t = (tam + f);
       n1 = t.n + 1;
       while (t[n1] == 0.0f&n1 >= 0)
             n1--;
      hs1 = new float[n1 + 1];
       for (i = 0; i <= n1; ++i)
             hs1[i] = t[i] * (-1);
       return Dathuc(hs1, n1);
}
```

```
ostream & operator << (ostream & os, Dathuc & f)</pre>
                                                                                                          Ward in Vict Harr when in an in the little of the little o
{
                        int i;
                        for (i = f.n; i>0; --i)
                                                if (0.0f != f[i])
                                                                         os << f[i] << "*x^" << i;
                                                                         if (f[i - 1]>0)
                                                                                                os << " + ";
                                                                         else
                                                                                                os << " ":
                                                }
                        }
                        os << f[0];
                        return os;
istream & operator >> (istream & is, Dathuc & f)
{
                        int i;
                        cout << "Nhap bac da thuc:";</pre>
                         is >> f.n;
                        if (f.hs)
                                                delete[] f.hs;
                        f.hs = new float[f.n + 1];
                        for (i = f.n; i >= 0; --i)
                                                cout << "Nhap he so bac " << i << ":";</pre>
                                                is >> f.hs[i];
                         }
                        return is;
}
Dathuc::Dathuc()
                        n = -1;
                        hs = NULL;
}
Dathuc::Dathuc(float a[], int n1)
                        n = n1;
                        hs = new float[n + 1];
                        int i;
                        for (i = 0; i <= n; ++i)
                                                hs[i] = a[i];
}
Dathuc & Dathuc::operator=(const Dathuc &f)
{
                        int i;
                        if (!(*this == f))
                                                if (hs)
                                                                         delete[] hs;
                                                n = f.n;
                                                hs = new float[n + 1];
                                                for (i = 0; i <= n; ++i)
                                                                         hs[i] = f[i];
```

```
return *this;
                                                                           Dainoc kanshai vist wan, unun sinaru sedul vin dainoc kanshai vist wan, unun sedul vin dainoc kanshai vin daino
}
float Dathuc::evalue(float x)const
                               float tam = hs[n];
                               int i;
                               for (i = n; i>0; --i)
                                                               tam = tam*x + hs[i - 1];
                                return tam;
}
int main()
                                float a[] = { 1.0f, -1.2f };
                                int i;
                               Dathuc f1;
                               Dathuc f2;
                               cin >> f1;
                                cin \gg f2;
                               cout << f1 << endl;</pre>
                               cout << f2 << endl;</pre>
                               Dathuc f3 = (f1 + f2);
                               Dathuc f4 = (f1 * f2 * f3);
                               cout << f1 << endl;</pre>
                               cout << f4 << endl;</pre>
                               cout << f3 << endl;</pre>
                                cout << f2 << endl;</pre>
                                cout << f1(1.2f) << endl;</pre>
                               f3 = (f4 - f2);
                               cout << f3 << endl;</pre>
                                system("pause");
                                return 0;
}
```