**Big integer sum**

**string bigint\_mini(string s1,string s2)**

**{**

**if (s1.size()>s2.size()){return s2;}**

**else if (s2.size()>s1.size()){return s1;}**

**for (int i=0;i<s1.size();i++)**

**{**

**if ((s1[i]-'0')>(s2[i]-'0')){return s2;}**

**else if ((s2[i]-'0')>(s1[i]-'0')){return s1;}**

**}**

**return s1;**

**}**

**string bigint\_sum(string s1,string s2)**

**{**

**int sz1=s1.size();**

**int sz2=s2.size();**

**if (s1.size()>s2.size())**

**{**

**swap(s1,s2);**

**}**

**int carry=0;**

**string ans;**

**reverse(s1.begin(),s1.end());**

**reverse(s2.begin(),s2.end());**

**for (int i=0;i<s1.size();i++)**

**{**

**int sum=(s1[i]-'0')+(s2[i]-'0')+carry;**

**char c=(sum%10)+'0';**

**ans=c+ans;**

**carry=(sum/10);**

**}**

**for (int j=s1.size();j<s2.size();j++)**

**{**

**int sum=(s2[j]-'0')+carry;**

**char c=(sum%10)+'0';**

**ans=c+ans;**

**carry=(sum/10);**

**}**

**if (carry)**

**{**

**char c=(carry+'0');**

**ans=c+ans;**

**}**

**return ans;**

**}**

**Big integer multiplcation**