**Base Conversion**

long long toDecimal(string s,int baseFrom)

{

int cnt=0;

long long res=0;

for(int i=s.length()-1;i>=0;i--)

{

if ( s[i] > 47 && s[i] < 58 ) res+= (pow(baseFrom,cnt)\*(s[i]-'0'));

else res+= (pow(baseFrom,cnt)\*(s[i]-55));

cnt++;

}

return res;

}

string deciamlTo(long long num, int baseTo)

{

string s="";

while(num)

{

int tmp=num%baseTo;

if(tmp<10) s+=tmp+'0';

else s+= char (tmp+55);

num/=baseTo;

}

if(s=="") return "0";

reverse(s.begin(), s.end());

return s;

}