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#include<iostream>
#include<stdio.h>
#include<string.h>
#include<algorithm>
#include<math.h>
#define maxn 15
using namespace std;
const double eps=1e-7;
int n;
double l,r;
double a[maxn];
double myabs(double now)
{
    return now>0 ? now : -now;
}
double judge(double now)
{
    double ans=0.0;
    for(int i=0;i<=n;i++)
    {
        ans+=a[i]*pow(now,i);
    }
    return ans;
}
int main()
{
    scanf("%d%lf%lf",&n,&l,&r);
    for(int i=n;i>=0;i--)
        scanf("%lf",&a[i]);
    while(myabs(r-l)>=eps)
    {
        double mid1=l+((r-l)/3.0);
        double mid2=l+((r-l)/3.0*2.0);
        if(judge(mid1)>judge(mid2))
        {
            r=mid2;
        }
        else
            l=mid1;
    }
    printf("%.5lf\n",l);
}
```

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