和poj 2796很类似，都不需要前缀和了

#include<cstdio>

#include<iostream>

using namespace std;

typedef long long ll;

const int INF=1000000007;

ll a[100010],l[100010],r[100010];

ll sum[100010];

int main()

{

//freopen("input.txt","r",stdin);

int n;

while(~scanf("%d",&n)&&n)

{

for(int i=1; i<=n; i++)

{

scanf("%lld",&a[i]);

sum[i]=sum[i-1]+a[i];

l[i]=i;

r[i]=i;

}

for(int i=1; i<=n; i++)

{

while(l[i]>1 && a[l[i]-1]>=a[i])

l[i]=l[l[i]-1];

}

for(int i=n; i>=1; i--)

while(r[i]<n && a[r[i]+1]>=a[i])

r[i]=r[r[i]+1];

ll ans(-1);

int l1(-1),r1(-1);

for(int i=1; i<=n; i++)

{

if((r[i]-l[i]+1)\*a[i]>ans)

{

ans=(r[i]-l[i]+1)\*(a[i]);

l1=l[i];

r1=r[i];

}

}

printf("%lld\n",ans);

}

return 0;

}