

```
from math import *
for u in range(int(input())):
    n=int(input())
    l=list(map(int,input().split()))
    x,y=0,0
    s=0
    while(y<n):
        if(l[y]>=l[x]):
            y=y+1
        else:
            s+=(y-x+1)*l[x]-l[y]
            x=y
            s+=(n-x)*l[x]-l[n-1]
            if(s<=0):
                print(0)
            else:
                print(s)
```