```python
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)
```