# CP With Shibam

## Day-3

[A. Yet Another Two Integers Problem](https://codeforces.com/problemset/problem/1409/A)

#include<iostream>

using namespace std;

int main(){

int a, b,t;

cin>>t;

while(t--){

cin>>a>>b;

cout<<(abs(a-b)+9)/10<<endl;

}

}

[A. Remove Smallest](https://codeforces.com/problemset/problem/1399/A)

#include<bits/stdc++.h>

using namespace std;

int main()

{int t;cin>>t;while(t--){

int n,i,flag=0;cin>>n;int a[n-1];

for(i=0;i<n;i++){

cin>>a[i];}

sort(a,a+n);

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

if(a[i]-a[i-1]>1){flag=1;cout<<"NO\n";break;}}

if(flag==0){cout<<"YES\n";}

}}

[A. Soft Drinking](https://codeforces.com/problemset/problem/151/A)

#include<iostream>

using namespace std;

int n,k,l,c,d,p,nl,np;

int main()

{

cin>>n>>k>>l>>c>>d>>p>>nl>>np;

cout<<min(min(k\*l/nl,p/np),c\*d)/n;

}