

January 11, 2021

NEW



Eagle.Hunt Today at 11:57 AM

I wanna know the correct method for solving watching cpl of long challenge



Moon965 Yesterday at 12:16 PM

i need solution of chef and ants



@Navosus <https://www.codechef.com/JAN21B/problems/BLKJK>



Lychee juice 🍷 01/06/2021

Problem statement is clear, chef wants to count first card then second card then third, and so on, until the sum becomes between X and Y.

You need to to count how many cards you need to replace by one another, to place cards in order such a way, the sum (counted from left to right) gets between X and Y. (edited)



Noob 01/06/2021

@Lychee juice 🍷 In watching CPL, will sorting and then doing something like 2 pointer approach work ??



hades 01/06/2021

@noob bro try using dp

That's the only approach. Easy one



akash★ kid 01/06/2021

```
#include <bits/stdc++.h>
#define vpp vector<PP>
#define vll vector<ll>
#define endl "\n"
#define vbb vector<bool>
#define w(t) while(t--)
```

```
#endif ONLINE_JUDGE
cerr<<"Time: "<<duration.count()/1000.0<<endl;
cout<<duration.count()/1000.0<<endl;
#endif
}
```

Plz btado bhaiya ne Kya changes krni thi

thi 🙏🙏

BADNAMraja

🤔🤔 or anyone

Btado Bhai

```
#include <bits/stdc++.h>

#define vpp vector<PP>
#define vll vector<ll>
#define endl "\n"
#define vbb vector<bool>
#define w(t) while(t--)
#define PP pair<ll,ll>
#define test(x) ll t; cin>>t; w(t) x()
#define lb lower_bound
#define ub upper_bound
#define szs(x) x.length()
#define szv(x) x.size()
#define ll long long int
#define takeINP(arr,n) for(long long int i=0;i<n;i++) cin>>arr[i];
#define f(i,s,e) for(long long int i=s;i<e;i++)
#define cf(i,s,e) for(long long int i=s;i<=e;i++)
#define rf(i,s,e) for(long long int i=e-1;i>=s;i--)
#define rsz(x,n) x.resize(n)
```

```

#define rsr(x,n) x.reserve(n)
#define mp(a,b) make_pair(a,b)
#define float long long double
#define pb push_back
#define print(arr,s,e) f(i,s,e) cout<<arr[i]<<" ";endl;
#define all(v) v.begin(),v.end()
#define ff first
#define ss second
#define vll vector<ll>
#define triplet pair<ll,pair<ll,ll>>
#define MITR(a,b) map<a,b>::reverse_iterator

```

```

using namespace std;
using namespace chrono;

```

```

ll dp[4020][4020];
ll pref[4020];

```

```

ll Dfn(ll idx,ll taken,ll n,ll k,vll &arr)
{
    if(taken>=k and (pref[idx]-taken>=k))return 0;
    else if(idx>=n) return 1e10;
    else if(dp[idx][taken]!=-1)return dp[idx][taken];

    ll c1= Dfn(idx +1, min(taken+arr[idx],pref[idx]-taken),n,k,arr);
    ll c2=Dfn(idx +1, min(pref[idx]-taken+arr[idx],taken),n,k,arr);
    return dp[idx][taken]=1+min(c1,c2);

}

ll givemedp(vll &arr,ll n,ll k)
{

```

```

f(i,0,n/2) swap(arr[i],arr[n-i-1]);
cf(i,0,n+10)
{
    pref[i]=0;
    cf(j,0,k+10) dp[i][j]=-1;
}
cf(i,1,n) pref[i]=pref[i-1]+arr[i-1];
ll ans=Dfn(0,0,n,k,arr);
return ans>1e9?-1:ans;
}

void solve(){
    ll n,k; cin>>n>>k;
    vll arr(n,0);
    takeINP(arr,n);
    sort(all(arr));
    if(n==1)
    {
        cout<<"-1"<<endl;
        return;
    }
    cout<<givemedp(arr,n,k)<<endl;
}

int main()
{
    #ifndef ONLINE_JUDGE
    freopen("input.txt","r",stdin);
    freopen("output.txt","w",stdout);
    #endif
    ios_base::sync_with_stdio(false);
    cin.tie(NULL);

```

```
auto start1 = high_resolution_clock::now();  
test(solve);  
auto stop1=high_resolution_clock::now();  
auto duration= duration_cast<microseconds>(stop1-start1);  
#ifndef ONLINE_JUDGE  
    cerr<<"Time: "<<duration.count()/1000.0<<endl;  
    cout<<duration.count()/1000.0<<endl;  
#endif  
}
```



Siddharth17 01/06/2021

```
int main(){
    cin.tie(NULL);
    ios_base::sync_with_stdio(false);
    int t,n,k,x;

    cin>>t;
    while(t--){
        vector<int> h;
        cin>>n>>k;
```

i made this for wipl

PM its going wa in some cases

passing 3 failing 3 anyone help

```
int main(){

    cin.tie(NULL);

    ios_base::sync_with_stdio(false);

    int t,n,k,x;


    cin>>t;
    while(t--){
        vector<int> h;
        cin>>n>>k;

        ll sum=0,sa=0,sb=0;
        for(int i=0;i<n;i++){
            cin>>x;
            h.push_back(x);
            sum+=x;
        }
        if(sum<2*k)
            cout<<-1;



        else{
            sort(h.begin(),h.end(),greater<int>());
            vector<int> a, b;
            int j,t=0;
            int pos;
```


```


for(int i=0;i<n && sa<k;i++){
    if(h[i]!=-1){
        t=0;
        for(j=i;j<n;j++){
            if(h[j]>=k-sa){
                t=1;
                pos =j;
            }
        }
        if(!t)
            pos=i;
        a.push_back(h[pos]);
        sa+=h[pos];
        h[pos]=-1;
    }
}
sb=0;
for(int i=0;i<n && sb<k;i++){
    if(h[i]!=-1){
        t=0;
        for(j=i;j<n;j++){
            if(h[j]>=k-sb){
                t=1;
                pos =j;
            }
        }
        if(!t)
            pos=i;
        b.push_back(h[pos]);
        sb+=h[pos];
        h[pos]=-1;
    }
}


```


```
    }  
}  
for(int i=0;i<a.size();i++)  
    cout<<a[i]<<" ";  
for(int i=0;i<b.size();i++)  
    cout<<b[i]<<" ";  
if(sa>=k && sb>=k)  
    cout<<a.size()+b.size();  
else  
    cout<<"-1";  
}  
  
cout<<endl;  
}  
}
```



 @akash  kid #include <bits/stdc++.h> #define vpp vector<PP> #define vll vector<ll> #define endl "\n" #define vbb vector<bool> #define...

 VAIBHAV202 01/07/2021
is this code correct ?


 eternalGalactic 01/07/2021
Hey guys can anyone give me unique test cases ?
For wipl
I am losing my mind solving that question
Anyone?
I don't think dp will be used in the question ,it seems like a greedy question and it can be implemented without dp too


 aditya_tiwari 01/07/2021
Can anyone provide me any corner case for wipl problem in codechef long challenge, only last subtask is wrong else everything is correct


 @aditya_tiwari Can anyone provide me any corner case for wipl problem in codechef long challenge, only last subtask is wrong else everything...


 eternalGalactic 01/07/2021
All your test cases past except one?


 aditya_tiwari 01/07/2021
Yes
Please help me
[@eternalGalactic](#) do u have any test case??


 eternalGalactic 01/07/2021
Yeah


 aditya_tiwari 01/07/2021
Please give me
Me*

 eternalGalactic 01/07/2021
8 10
2 1 2 2 3 3 4 4
5 5
1 2 3 4 5 (edited)

 aditya_tiwari 01/07/2021
7,4
Sahi h??

 eternalGalactic 01/07/2021
Nahi
7 3

 aditya_tiwari 01/07/2021
Nai ruko mene second wala input galat likh Diya hai
Ha 3 aa rha h Mera b

 eternalGalactic 01/07/2021
Are mere code me bhi same problem h

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mrTYAGI 01/08/2021

point of impact anyone

```
int main(){
    int t;
    cin>>t;
    while(t--){
        ll n,k,x,y;
        ll arr[4][4];
        if(x==y){cout<<n<<" "<<n<<endl;break;}
        else{
            k%=4;
            while(x!=n &&y!=n){
```

```
                arr[0][0]=x;
                arr[0][1]=y;
            }
        }
        cout<<arr[k][0]<<" "<<arr[k][1]<<endl;
    }
    return 0;
}
```

pls help me

```
int main(){

    int t;

    cin>>t;

    while(t--){

        ll n,k,x,y;

        ll arr[4][4];

        if(x==y){cout<<n<<" "<<n<<endl;break;}

        else{

            k%=4;

            while(x!=n &&y!=n){

                x++; y++;

            }

            arr[1][0]=x;

            arr[1][1]=y;

            if(x==n){

                x=(n-y);

                y+=(n-y);

                arr[2][0]=x;


                arr[2][1]=y;


                y=(x-0);
```


```


    x-=(x-0);
    arr[3][0]=x;
    arr[3][1]=y;
    x+=(y-0);
    y-=(y-0);
    arr[0][0]=x;
    arr[0][1]=y;
}
else {
    y-=(n-x);
    x+=(n-x);
    arr[2][0]=x;
    arr[2][1]=y;
    x-=(y-0);
    y-=(y-0);
    arr[3][0]=x;
    arr[3][1]=y;
    y+=(x-0);
    x-=(x-0);
    arr[0][0]=x;
    arr[0][1]=y;
}
}
cout<<arr[k][0]<<" "<<arr[k][1]<<endl;
}
return 0;
}


```


 **@AdRa** no


 **yogendrasingh7** Yesterday at 5:40 PM
hint hi puchaa tha soln nai
btw Finally AC
WIPL ne ronna nikal diaa tha


 **Tushar Gupta** Yesterday at 7:28 PM
anyone have any idea how to solve chef and ants for 100 (not asking full sol hints is enough)
I knew ants at intersecting lines collides only at origin I need other hint plz
Anyone??


 **Kanishk** Yesterday at 7:41 PM
DECODE IT BHEJDO KOI?
[@everyone](#)


 **syrus** Yesterday at 8:08 PM
10 40
5 6 7 8 9 11 12 13 14 15
corner test case ans- 7


 **vaisnav** Yesterday at 8:12 PM
Can anyone help me with watching CPL

 **vaisnav** Yesterday at 8:12 PM
Can anyone help me with watching CPL


 **vaisnav** Yesterday at 8:13 PM
Last subtask me tle aa rha hai


 **uditnayyar** Yesterday at 8:25 PM
anyone done blackjack?


 **V.I.P** Yesterday at 8:50 PM
Hello
Cp m acha performance k liye most important kya h
Kitna bhi solve kro rank sirf ghat hi rhi h 😞


 **kepler** Yesterday at 10:57 PM
short contest k question banaya kro.. [@V.I.P](#)


January 11, 2021


 **coder** Today at 12:32 AM
Anyone blackjack


 **Captain_Price** Today at 3:14 AM
How to check blackjack -1 condition for 1st test case. Anyone?


 **Coder_Forever** Today at 9:59 AM
Any hints for Ants and chef for AC ?


 **@Kanishk** DECODE IT BHEJDO KOI?


 **Sigar 🍷 king** Today at 11:29 AM
tum alag hi manush ho wo code to bohot aasan h
asli competition to wipl se shuru h


 **Deepak Jha** Today at 12:08 PM
Anyone having watching cpl problem solution in c++?


 **Deadpool** Today at 12:09 PM
Can anyone share the first corner test case of first subtask of ants and chef

 **Deepak Jha** Today at 12:10 PM
Pls provide me if anyone having that need help for that problem

 **vaisnav** Today at 12:43 PM
Did anyone get full points in black jack

 **Eagle.Hunt** Today at 1:23 PM
Watching cpl??

 **Subhadeep** Today at 2:21 PM
DECODE It bana kisika? mera TLE aa gya
[@everyone](#) (edited)

 **WrongAdvisor** 01/04/2021
lol i dont know about dp.
i used this approach

```
// Problem: Watching CPL
// Contest: CodeChef - January Challenge 2021 Division 3
// URL: https://www.codechef.com/JAN21C/problems/WIPL
// Memory Limit: 256 MB
// Time Limit: 1000 ms
// Powered by CP Editor (https://github.com/cpeditor/cpeditor)
```

```
#include<iostream>
#include<algorithm>
using namespace std;

int main()
{
    ios_base::sync_with_stdio(false);
    cin.tie(NULL);
```

```
}  
}
```

can someone tell invalid test case for this



Lychee juice 🍷 01/04/2021

@WrongAdvisor eh, why not sort them first? and pick combo of first and last and so on?
sorting will be done with $n \log(n)$, for 4k it'll be easy



darkrayl3igh 01/04/2021

where can i find the solution for WIPL?



Lychee juice 🍷 01/04/2021

@darkrayl3igh is the contest over?
why cheating?



darkrayl3igh 01/04/2021

are you kidding me? the link for this server was in the description of a video for cheating in this contest
oh
you must be one of them preachers
if the contest is for your own practice then go practice and dont cheat
let others do what they want

// Problem: Watching CPL

// Contest: CodeChef - January Challenge 2021 Division 3

// URL: <https://www.codechef.com/JAN21C/problems/WIPL>

// Memory Limit: 256 MB

// Time Limit: 1000 ms

// Powered by CP Editor (<https://github.com/cpeditor/cpeditor>)

```
#include<iostream>
```

```
#include<algorithm>
```

```
using namespace std;
```

```
int main()
```

```
{
```

```
    ios_base::sync_with_stdio(false);
```

```
    cin.tie(NULL);
```

```
    int t;cin>>t;
```

```
    while(t--){
```

```
        long long i,j;
```

```

long long n,k;cin>>n>>k;

long long a[n];

for(i=0;i<n;i++)cin>>a[i];

sort(a,a+n);

long long first=0,second=0;

long long cnt=0;

for(i=n-1,j=n-2;i>0 || j>0;)
{
    if(first>=k && second>=k)break;

    if(first>=k)cnt++;

    else
    {
        cnt+=2;
    }

    first+=a[i];

    second+=a[j];

    if(first>=k){
        j--;

    }

    else
    {
        i-=2;

        j-=2;
    }

}

if(cnt==n && first!=k){

    cout<<-1<<"\n";

}

```

```
else{  
    cout<<cnt<<"\n";  
}  
  
}  
  
}
```