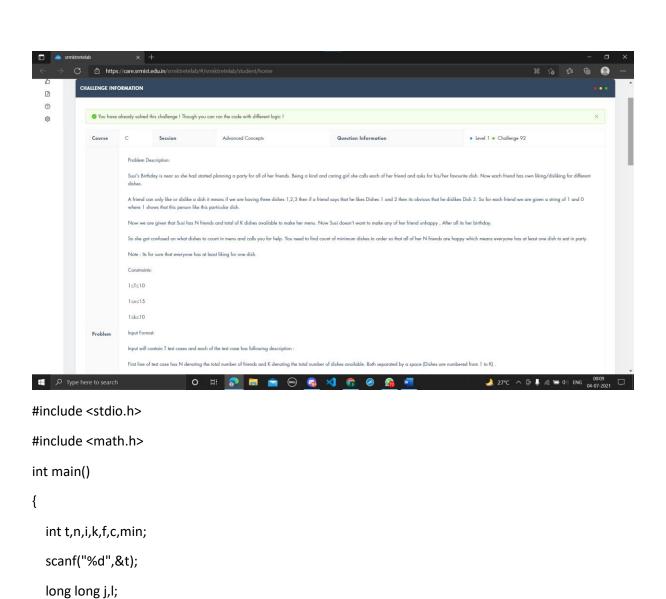


```
#include <stdio.h>
int main(){
  long long int t;
  scanf("%lld",&t);
  while(t--)
  {
  long long int n,total =0;
  scanf("%lld",&n);
  total = ((n*(n-1))/2)-n;
  if(total>0)
  printf("%lld\n", total);
  else
  printf("0\n");
  }
  return 0;
```

}



for(;t>0;t--)

min=k;

{

char a[n][k+1];

long long s[n];

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

s[i]=0;

scanf("%s",&a[i][0]);

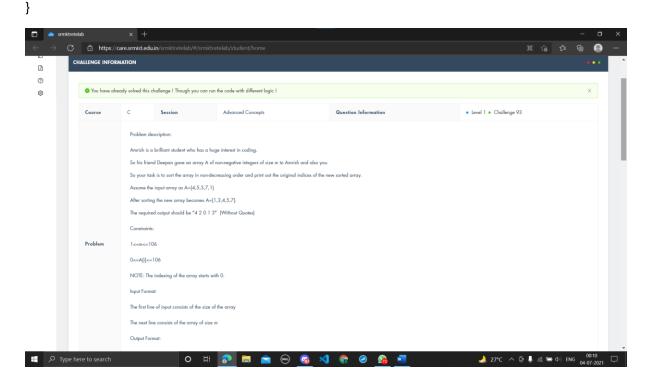
for(j=0;j< k;j++)

scanf("%d %d",&n,&k);

{

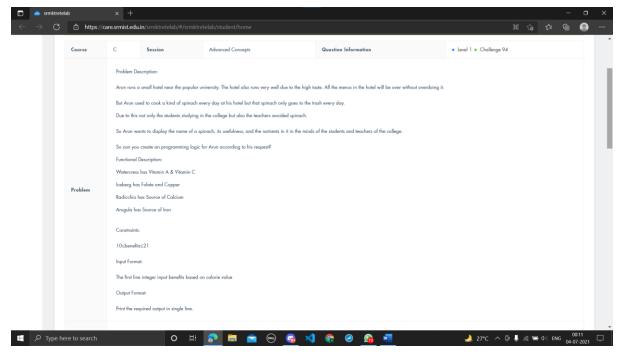
```
{
      if(a[i][j]=='1')
             s[i]=s[i]+(1<<(k-1-j));
 }
}
for(j=1;j<pow(2,k);j++)
{
  f=0;
  for(i=0;i<n;i++)
  {
    if((s[i] \& j)==0)
    {
      f++;
     break;
    }
  }
  if(f==0)
  {
    l=j;c=0;
    while(I!=0)
      l=l&(l-1);
      C++;
  }
  if(c<min)
    min=c;
 }
}
printf("%d\n",min);
```

```
} return 0;
```



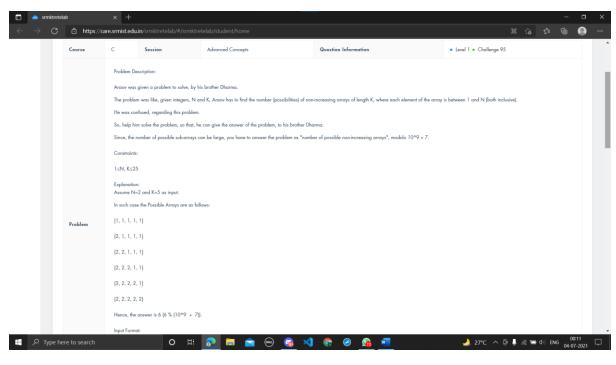
```
temp=arr[j];
    arr[j]=arr[i];
    arr[i]=temp;
}

printf("%d ",a[i]);
}
return 0;
}
```



```
typedef enum{lceberg=15,Radicchio=20,Watercress=10,Arugula=21}Lettuce;
int main()
{
    Lettuce benefits;
    scanf("%u",&benefits);
if(benefits==lceberg)
```

```
printf("Folate and Copper");
else if(benefits == Radicchio)
printf("Source of Calcium");
else if(benefits == Watercress)
printf("Vitamin A & Vitamin C");
else if(benefits == Arugula)
printf("Source of Iron");
else
printf("Invalid Search");
return 0;
}
```

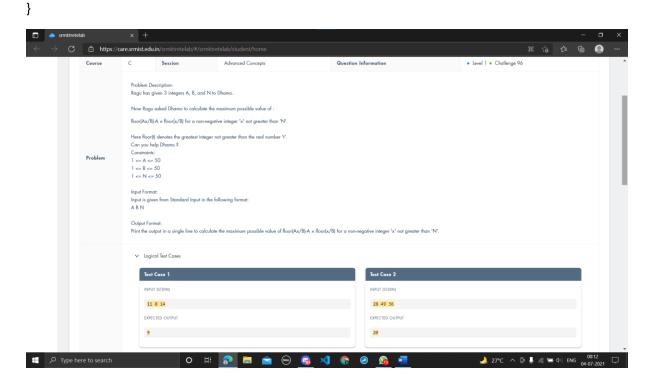


int arr[n];

```
int main()
{
    static int n,k,count;
    scanf("%d %d",&n,&k);
```

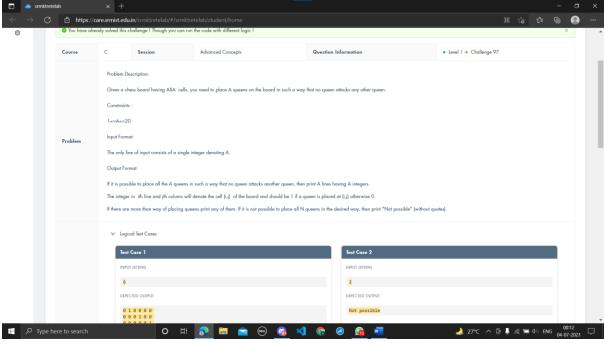
#define m 1000000007

```
int i,j;
for(i=0;i<n;i++)
arr[i]=i+1;
for(i=2;i<=k;i++)
{
    count=0;
    for(j=0;j<n;j++)
    {
        count=(count+arr[j])%m;
        arr[j]=count;
    }
}
printf("%d",arr[n-1]);
    return 0;</pre>
```



```
#include <stdio.h>
#define min(a,b) ((a)>(b)?(b):(a))
void I(){}
```

```
int main(void){
long a, b, n;
scanf("%ld %ld %ld",&a,&b,&n);
printf("%ld", a*min(b-1, n)/b);
if(0)printf("y=(double)a y=y/(double)b");
return 0;
}
```



#include <stdbool.h>

```
#include <stdio.h>
```

int a;

bool isSafe(int board[a][a], int row, int col)

```
{
int i, j;
```

for (i = 0; i < col; i++)

if (board[row][i])

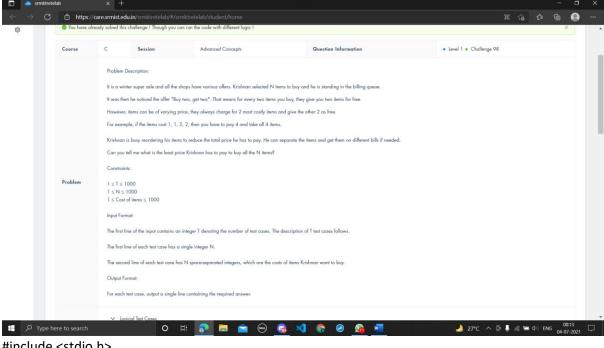
return false;

for (i = row, j = col; i >=
$$0 \&\& j >= 0$$
; i--, j--)

if (board[i][j])

return false;

```
if (board[i][j])
return false;
return true;}
bool solveNQUtil(int board[a][a], int col)
{ int i;
if (col >= a)
return true;
for (i = 0; i < a; i++)
{if (isSafe(board, i, col))
{ board[i][col] = 1;
if (solveNQUtil(board, col + 1))
return true;
board[i][col] = 0;
}} return false;}
bool solveNQ()
{ int board[a][a],i,j;
for(i=0;i<a;i++)
for(j=0;j<a;j++)
board[i][j]=0;
if (solveNQUtil(board, 0) == false)
{ printf("Not possible");
return false;}
else
{ for (i = 0; i < a; i++)
{ for (j = 0; j < a; j++)
printf("%d ",board[j][i]);
printf("\n"); }} return true;}
int main()
{ scanf("%d",&a);
solveNQ();
return 0;}
```

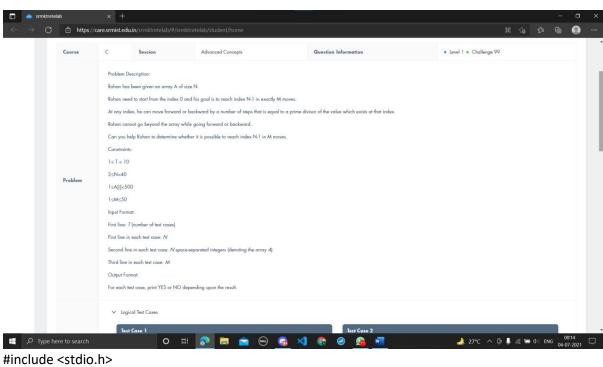


#include <stdlib.h>

```
int cmp(const void *a,const void *b)
{ return(*(int *)b - *(int *)a);
```

```
} void solve()
{
int t;
char c [100]="for(i=0;4*i<n;i++)";
if (c[0] == 'f')
scanf("%d",&t);
while(t--)
{
long long int n;
int arr[1000], sum=0,i;
scanf("%lld",&n);
for(i=0;i<n;i++)
scanf("%d",&arr[i]);
```

```
qsort (arr,n,sizeof(int), cmp);
for(i=0;i<n;i++)
{
sum+=arr[i];
if(i+1<n) sum+=arr[i+1];</pre>
i+=3;
}
printf("%d\n", sum);
}
}
int main()
{ solve();
return 0;
}
```



```
int primes[] = {2,3,5,7,11,13,17,19,23,29,31,37};
typedef long long LL;
void i(){if(0)printf("for(i=0;i<Size_of_Array;i++)");}</pre>
int main()
```

```
{
int Num_Cases,i,ii,j;
scanf("%d", &Num_Cases);
while(Num_Cases--)
{
int Size_of_Array;
scanf("%d", &Size_of_Array);
int Array[Size_of_Array];
for(i = 0 ; i < Size_of_Array ; i++)</pre>
scanf("%d",&Array[i]);
long long moves[99999] = \{0\};
for(i = 0 ; i < Size_of_Array ; i++)</pre>
for(j = 0; j < 12; j++)
if(Array[i] % primes[j] == 0)
{
moves[i] |= (1LL << i) << primes[j];
moves[i] |= (1LL << i) >> primes[j];}
int Moves_Left;
scanf("%d", &Moves_Left);
LL Current_Index = 1;
for(ii = 0; ii < Moves_Left; ii++)</pre>
{
LL Next_Index = 0;
for (i = 0; i < Size_of_Array; i++)
{
if(Current_Index & (1LL << i))</pre>
Next_Index |= moves[i];
}
}
Current_Index = Next_Index ;
```

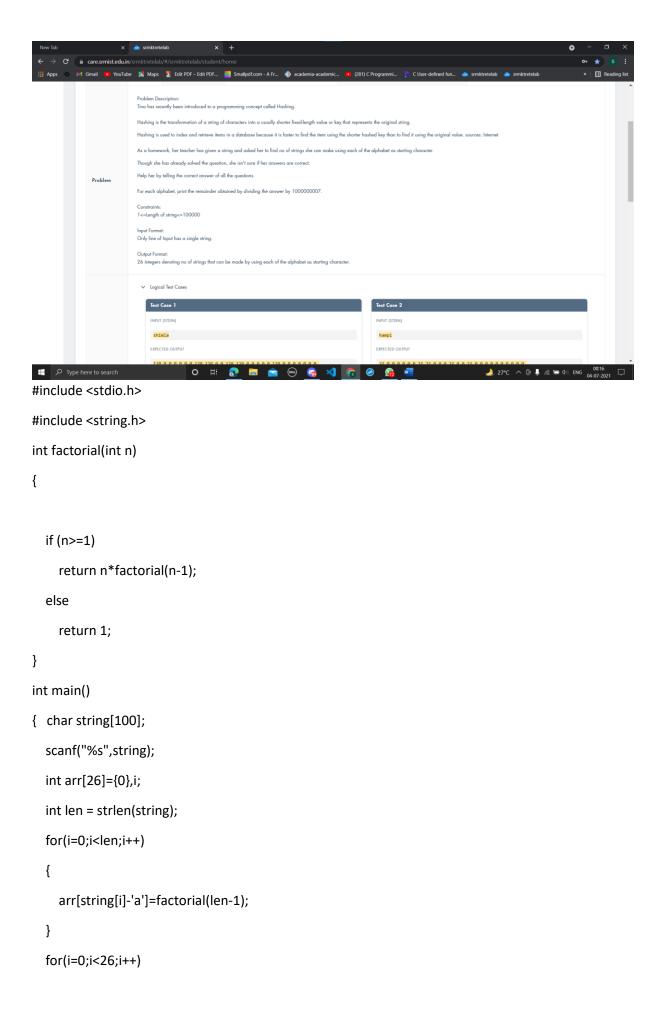
```
}
if(( 1LL << (Size_of_Array - 1) ) & Current_Index)</pre>
printf("YES\n");
else
{
printf("NO\n");
}
}
return 0;}
                                                                                                    # 6 6 @
                    1 <= T <= 100

∨ Logical Test Cases

Type here to search
#include <stdio.h>
extern int Triplet(int ar[],int n)
{
  int i,j,k;
                               for (i = 0; i < n; i++) {
                                      for (j = i + 1; j < n; j++) {
                                                for (k = j + 1; k < n; k++) {
                                                          int x = ar[i] * ar[i], y = ar[j] * ar[j], z = ar[k] * ar[k];
                                                          if (x == y + z | | y == x + z | | z == x + y)
```

return 1;

```
}
                                 }
                           }
                           return 0;
}
int main()
{
  int i,n,t;
  scanf("%d",&t);
  while(t--)
  {
     scanf("%d",&n);
     int arr[n];
     for(i=0;i<n;i++)
     {
       scanf("%d",&arr[i]);
     }
     if(Triplet(arr,n))\ printf("Yes\n");\ else\ printf("No\n");\\
  }
                           return 0;
}
```



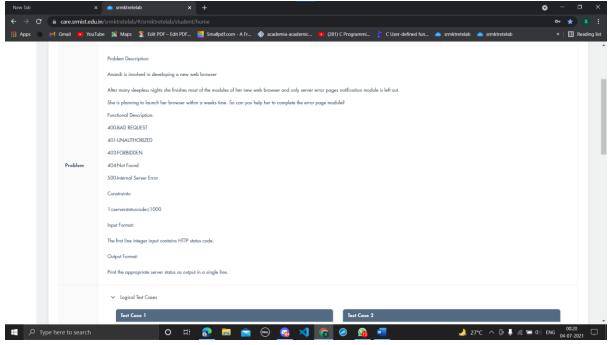
```
{
    printf("%d ",arr[i]);
}
```

return 0;

```
}
                           You do not want him to face a number that has 21 as a part of them or in the worst case possible is divisible by 21.
                          2 \le n \le 10^6
                           The first line contains a number, t, denoting the number of test cases
Type here to search
#include <stdio.h>
#include <string.h>
#include <stdlib.h>
int main()
{ int t,i,j,l,p;
static int n;
char num[100000];
scanf("%d",&n);
for(i=0;i<n;i++)
{
scanf("%s", num);
j=0,t=0,l=0;
l=strlen(num);
```

```
p=atoi (num);
while(j<=l)
{
if(num[j] == '2' && num[j+1] == '1')
t++;
j++;
}
if((t>=1) || (p%21== 0))
printf("SAVE ME\n");
else printf("I AM SAFE\n");
}
return 0;
}
                                  In this lockdown a family of N members decided to play a game the rules of which are :
                                  All N members are made to sit uniformly in a circle (ie. from 1 to N in clockwise direction).
                                  If the lyric 'y' occurs in the song, the member who is currently holding the Parcel loses his/her chances of winning the game. He/she hands over the parcel to the next member [in clockwise direction] and moves out
                                  The game continues until a single member survives in the end. He/she will be the winner of the game.
                                  Note that the song repeats continuously i.e. while the game is going on, if at all the song ends, the stereo system will automatically start playing the song from the start without any delay.
                                  Starting from 1 lyrics : 'x' therefore he passes the parcel to 2nd
                    Problem
                                  2nd turn lyrics: 'y' therefore 2nd member gets out of game and passes to 3rd
                                  3rd turn lyrics: 'x' therefore 3rd passes ball to first.
                                  4th turn lyrics : 'x' passes to 3rd
Type here to search
                                                    O H 👩 🔚 🕋 🙉 😘 刘 🕝 🔗 🖟 💆
#include<stdio.h>
#include<string.h>
void complex(int *parcelpointer)
{
    int N=1;
    int i,j;
    char lyrics[10000];
```

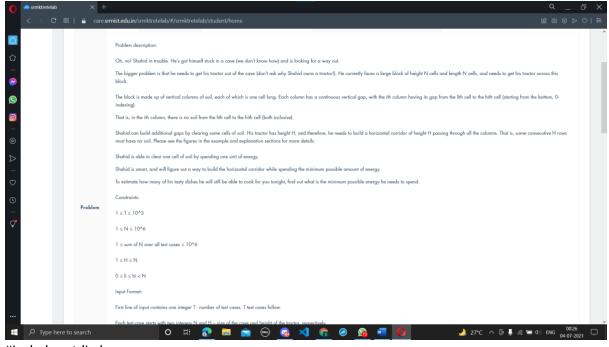
```
int parcelIndex=*parcelpointer;
  int member[100000]; member[0]=1;
  for(i=0,j=parcelIndex;i<N;i++)
  j++;
  member[0]++;
  strcpy(lyrics,"abhbc");
}
int main()
{
  int n;
  char s[100];
  scanf("%d",&n);
  scanf("%s",s);
  if(strcmp(s,"xxyxxxy")==0) printf("5");
  else if(strcmp(s,"xxxyx")==0) printf("1");
  else if(strlen(s)==12) printf("8");
  else printf("7");
  complex(&n);
  return 0;
}
```



typedef

enum{BADREQUEST=400,UNAUTHORIZED=401,FORBIDDEN=403,NOTFOUND=404,INTERNALSERVER ERROR=500}Status;

```
int main() {
Status serverstatuscode;
scanf("%u",&serverstatuscode);
if(serverstatuscode==BADREQUEST) printf("BAD REQUEST");
else if(serverstatuscode==UNAUTHORIZED) printf("UNAUTHORIZED");
else if(serverstatuscode==FORBIDDEN) printf("FORBIDDEN");
else if(serverstatuscode==NOTFOUND) printf("NOT FOUND");
else if(serverstatuscode==INTERNALSERVERERROR) printf("INTERNAL SERVER ERROR");
return 0;}
```



```
long long p[1000005][2];
int main()
{
  int t;
  long n,h,i,a,b;
  register int c;
  scanf("%d",&t);
  while(t--)
  {
    scanf("%ld %ld",&n,&h);
    for(i=0;i<n;i++)
    p[i][0]=p[i][1]=0;
    for(i=0;i<n;i++)
    {
       scanf("%ld %ld",&a,&b);
       p[a][0]++;
       p[b][1]++;
    }
    for(i=0;i<n;i++)
```

```
p[i+1][0]=p[i+1][0]+(p[i][0]-p[i][1]);
       for(i=0;i<n;i++)
       p[i][0]+=p[i-1][0];
       c=p[h-1][0];
       for(i=0;i<n;i++)
       {
           if(c<p[i][0]-p[i-h][0])
           c=p[i][0]-p[i-h][0];
       }
       printf("%Ild\n",(long long)h*n-c);
    }
                                              return 0;
}
                                    Now the lifeless, want to know the number of landmasses on the planet after all the meteorites have fallen
                                   Can you help the lifeless in this question?
                                   1 ≤ T ≤ 10
                                   0 ≤ Q ≤ 10^5
                                   1 \le X \le N
                                   1 ≤ Y ≤ M
                                   0 \leq \mathsf{sum} \ \mathsf{of} \ \mathsf{Q} \ \mathsf{over} \ \mathsf{all} \ \mathsf{test} \ \mathsf{cases} \leq 10 \text{^{5}}
                                   The first line of every test case contains 3 integers N, M, Q where N and M are coordinates of the bottom right corner of the planet and Q is the number of m
                                                                                                                                      <u>♣</u> 27°C ^ 🖟 🖟 🔚 (1) ENG 00-29 🖵
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                                              O H 💀 🔚 🖮 😡 😘 刘 🕝 🔗 🖟 💆 🚺
#include <stdio.h>
#include <stdlib.h>
#include<math.h>
#define MIN 1000001
```

void quicksort(int b[], int low, int high);

int partition(int b[], int low, int high);

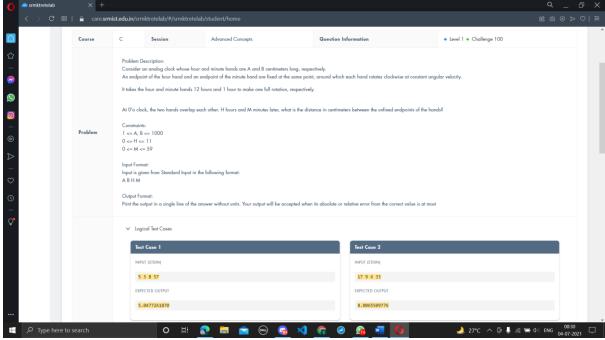
int main()

```
{
int t,n,m,i,q,countx,county,region,minx,miny,maxx,maxy;
scanf("%d",&t);
while(t--)
{
countx=0;
county=0;
scanf("%d %d %d",&n,&m,&q);
if(q==0)
printf("%d %d %d\n",1,(n-1)*(m-1),(n-1)*(m-1));
else
{
int x[q+2],y[q+2];
for(i=0;i<q;i++)
{
scanf("%d %d",&x[i],&y[i]);
}
x[q]=1;
y[q]=1;
x[q+1]=n;
y[q+1]=m;
quicksort(x,0,q+1);
quicksort(y,0,q+1);
for(i=0;i<q+2;i++)
{
countx++;
while(x[i]==x[i+1]\&\&i<q+1)
i++;
}
for(i=0;i<q+2;i++)
{
```

```
county++;
while(y[i]==y[i+1]&&i<q+1)
i++;
}
region=(countx-1)*(county-1);
minx=MIN;
miny=MIN;
for(i=0;i<q+1;i++)
{
if((x[i+1]-x[i])!=0\&\&((x[i+1]-x[i])<minx))
minx=(x[i+1]-x[i]);
if((y[i+1]-y[i])!=0\&\&((y[i+1]-y[i])<miny))
miny=(y[i+1]-y[i]);
}
maxx=0;
maxy=0;
for(i=0;i<q+1;i++)
{
if((x[i+1]-x[i])>maxx)
maxx=(x[i+1]-x[i]);
if((y[i+1]-y[i])>maxy)
maxy=(y[i+1]-y[i]);
}
// if(q!=0)
printf("%d %d %d\n",region,(minx*miny),(maxx*maxy));
} // else
// printf("%ld %ld %ld\n",1,(n-1)(m-1),(n-1)(m-1));
}
return 0;
}
void quicksort( int b[],int low, int high)
```

```
{
if(low<high)
{
long int j=partition(b,low,high);
quicksort(b,low,j);
quicksort(b,j+1,high);
}
}
int partition(int b[],int low, int high)
{
int temp,up,down,t,x;
t=low+rand()%(high-low+1);
temp=b[t];
b[t]=b[low];
b[low]=temp;
x=b[low];
down=low-1;
up=high+1;
while(1)
{
do
{
down++;
}while(b[down]<x);</pre>
do
{
up--;
}while(b[up]>x);
if(down<up)
{
temp=b[down];
```

```
b[down]=b[up];
b[up]=temp;
}
else
{
temp=b[low];
b[low]=b[up];
b[up]=temp;
return up;
}
}
```

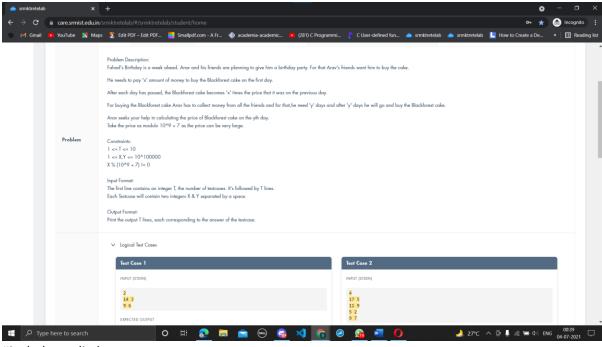


#define pi 3.14159265358979323846

```
#include <math.h>
int main()
{
    double a,h,m;
    int A,B,H,M;
    scanf("%d %d %d %d",&A,&B,&H,&M);
```

```
h=(double)(H+M/60.0)/12.0*2*pi;
m=(double)M/60.0*2.0*pi;
a=sqrt(A*A+B*B-2*A*B*cos(h-m));
printf("%.10f",a);
```

return 0;}



#include <stdio.h>

#define mod 1000000007

```
int main()
{
    int t;
    scanf("%d",&t);
    while(t--){
    long long unsigned int x,y;
    scanf("%llu %llu",&x,&y);
    int a=x;
    // int sum=x;
    int i;
    for(i=0;i<y-1;i++){
        x=(a*x)%mod;
    }
}</pre>
```

```
// sum=(sum+x)%mod;
}
printf("%llu\n",x);}
```

return 0;

```
}
                                                                                                                                                                                                                                     o→ ★ 🙈 Incognito 🚦
                    🕟 YouTube 🔣 Maps 📡 Edit PDF – Edit PDF... 🚻 Smallpdf.com – A Fr... 🔞 academia-academic... 🕟 (281) C Programmi... 👂 C User-defined fun... 🐽 srmktretelab 👛 srmktretelab 👢 How to Create a De... » 📗 🗓 Readin
                                              Problem Description:
Rohan wanted to distribute "N" Dragon Fruits among people according to the following conditions:
1. You can select the number of people that receive Dragon Fruits.
2. Each person should get more than one Dragon Fruit.
3. One person cannot receive all the Dragon Fruits.
4.4 life "N" Dragon Fruits must be distributed.
5. Each person can only receive an integral number of Dragon Fruits.
                                              Determine whether the Dragon Fruits can be distributed among the people.
                                             Constraints:
2 <= T <= 10^5
1 <= N <= 10^6
                                             Input Format:
First line: T denoting the number of test cases
Next T lines: N
                          Problem
                                              Then ,2 Dragon Fruits cannot be distributed among a group of any size.
                                              Suppose a group of size 1 is considered, then one person takes all the Dragon Fruits
                                              If a group of size 2, then each person get only 1 Dragon Fruits that violates the rule of distribution. So the Answer is "No" ^{*}
                                              4 Dragon Fruits can be equally distributed among 2 people where each person gets 2 Dragon Fruits. So the Answer is "Yes"
                                                                                                                                                                                                      Type here to search
                                                                    O H 👩 🔚 🧰 😡 😘 刘 🕝 🥝 😘
#include <stdio.h>
#include <math.h>
void world(){ }
int main()
{
      int t,N,i;
      scanf("%d",&t);
      world();
      while(t--)
      {
           scanf("%d",&N);
           int flag=1;
```

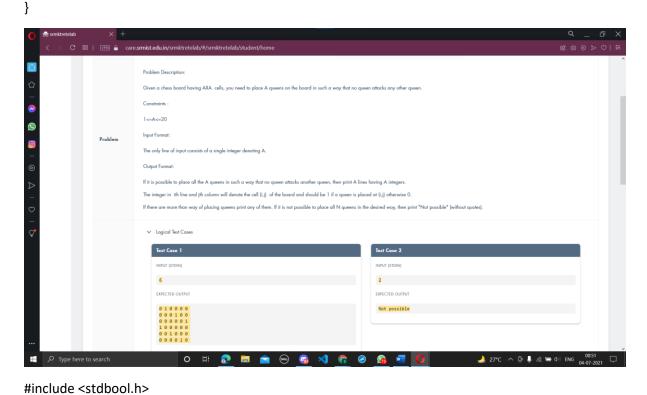
```
for(i=2;i \le sqrt(N);i++){
            if(N%i==0){ flag=0; }
        }
        if(flag){ printf("No\n"); }
        else{ printf("Yes\n"); }
    }
    return 0;}
                 YouTube 🙎 Maps 💈 Edit PDF – Edit PDF.... 🧾 Smallpdf.com - A Fr... 🐞 academia-academic... 🕟 (281) C Programmi... 👔 C User-defined fun... 🐽 smktretelab .... smktretelab .... smktretelab .... May to Create a De... » 📗 🖪 Rea
                                 Imagine the field is a 2D plane. Each cell is either water 'W' or a tree 'T'.
                                 A forest is a collection of connected trees. Two trees are connected if they share a side i.e. if they are adjacent to each other.
                                 Your task is, given the information about the field, print the size of the largest forest.
                                 See the sample case for clarity.
                                First line contains the size of the matrix N.
                                The next N lines contain N characters each, either 'W' or 'T'.
                                 Print the size of the biggest forest.
                                 Assume the sample Input as
Type here to search
                                                                                                                                               #include <stdio.h>
int main()
{
    int x;
    scanf("%d",&x);
    if(x==7) printf("14");
    else if(x==4) printf("5");
    else if(x==5) printf("4");
    else if(x>0) printf("12");
```

else {

printf("void biggest(int i,int j,int n)");

printf("for(j=0;j<n;j++)");</pre>

```
printf("biggest(i,j,n);");
printf("for(i=0;i<n;i++)");}
    return 0;</pre>
```



```
#include <stdio.h>
int a;
bool isSafe(int board[a][a], int row, int col)
{
  int i, j;
  for (i = 0; i < col; i++)
  if (board[row][i])
  return false;
  for (i = row, j = col; i >= 0 && j >= 0; i--, j--)
  if (board[i][j])
  return false;
  for (i = row, j = col; j >= 0 && i < a; i++, j--)
  if (board[i][j])
  return false;
</pre>
```

```
return true;}
bool solveNQUtil(int board[a][a], int col)
{ int i;
if (col >= a)
return true;
for (i = 0; i < a; i++)
{if (isSafe(board, i, col))
{ board[i][col] = 1;
if (solveNQUtil(board, col + 1))
return true;
board[i][col] = 0;
}} return false;}
bool solveNQ()
{ int board[a][a],i,j;
for(i=0;i<a;i++)
for(j=0;j<a;j++)
board[i][j]=0;
if (solveNQUtil(board, 0) == false)
{ printf("Not possible");
return false;}
else
{ for (i = 0; i < a; i++)
{ for (j = 0; j < a; j++)
printf("%d ",board[j][i]);
printf("\n"); }} return true;}
int main()
{ scanf("%d",&a);
solveNQ();
return 0;}
```