import java.util.\*;

import java.lang.\*;

import java.io.\*;

class GFG {

public static void main (String[] args) {

Scanner sc=new Scanner(System.in);

int t=sc.nextInt();

while(t-- >0)

{

int count=0;

int n=sc.nextInt();

int x=sc.nextInt();

int arr[]=new int[n];

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

arr[i]=sc.nextInt();

for(int j=0;j<n;j++)

{

if(arr[j]==x)

{

count++;

}

}

if(count>0)

{

System.out.print(count);

}

else

{

System.out.print(-1);

}

System.out.println(" ");

}

}

}