//Ilaria Galiero M63001425

//es 1

#include <bits/stdc++.h>

#include <algorithm>

using namespace std;

int ricercabinaria(int a[],int n,int x){

int mid;

int i = 0 , j = n - 1;

int count = -1;

do{

mid = (i+j)/2;

if(a[mid] == x){

count=mid;

}

if(a[mid] <= x){

i = mid+1;

}else{

j = mid-1;

}

}while(i <= j);

return count;

}

int main(){

int tc,k,n,j,tcc;

int v[n];

int occorrenza[tc];

int elem[tc];

cin>>tc;

while(tc--){

cin>>k;

elem[j]=k;

j++;

cin>>n;

tcc++;

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

cin>>v[i];

}

}

//ordino il vettore

sort(v,v+n);

//ricerca binaria per trovare l'elemento

for(int i=0; i<tcc-1;i++){

occorrenza[i]=ricercabinaria(v,n,elem[i]);

}

for(int i=0; i<tcc-1;i++){

cout<<occorrenza[i]<<endl;

}

//la complessità è O(nlogn)

return 0;

}