**Question 1**

**Friends & Balls**

#include <stdio.h>

#include <string.h>

#include <math.h>

#include <stdlib.h>

int main() {

int N,M,L,R,Q,X;

scanf("%d",&N);

int Arr[N];

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

{

Arr[i]=0;

}

scanf("%d",&M);

while(M--)

{

scanf("%d%d",&L,&R);

for(int i=L;i<=R;i++)

{

Arr[i]++;

}

}

scanf("%d",&Q);

while(Q--){

scanf("%d",&X);

int c=0;

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

if(Arr[i]>=X){

c++;

}

}

printf("%d\n",c);

}

/\* Enter your code here. Read input from STDIN. Print output to STDOUT \*/

return 0;

}