**GREEDY ALGORITHMS**

PROBLEM 2:

2-G-COOKIES PROBLEM

AIM:

Assume you are an awesome parent and want to give your children some cookies. But, you should give each child at most one cookie.

Each child i has a greed factor g[i], which is the minimum size of a cookie that the child will be content with; and each cookie j has a size s[j]. If s[j] >= g[i], we can assign the cookie j to the child i, and the child i will be content. Your goal is to maximize the number of your content children and output the maximum number.

CODE:  
#include<stdio.h>

int main(){

int count = 0;

int child;

scanf("%d",&child);

int gf[child];

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

{

scanf("%d",&gf[i]);

}

int ck;

scanf("%d",&ck);

int size[ck];

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

{

scanf("%d",&size[i]);

}

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

for(int j=0;j<ck;j++){

if(gf[i]==size[j]){

count++;

}

}

}

printf("%d",count);

}

INPUT:

2

1 2

3

1 2 3

OUTPUT:

2