import java.io.\*;

import java.util.\*;

class jobsequence

{

public static void main(String args[])

{

int m,n,q,i,l,temp,p,max=0,totprofit=0;

int profit[]=new int[20];

int deadline[]=new int[20];

int d[]=new int[20];

int sort[]=new int[20];

int j[]=new int[20];

Scanner s=new Scanner(System.in);

System.out.println("enter the number of jobs");

n=s.nextInt();

System.out.println("enter the profits for each jobs");

for(i=1;i<=n;i++)

{

profit[i]=s.nextInt();

}

System.out.println("enter the deadline for each job");

for(i=1;i<=n;i++)

{

deadline[i]=s.nextInt();

}

for(i=1;i<=n;i++)

{

sort[i]=profit[i];

}

for(i=1;i<=n;i++)

{

for(l=i+1;l<=n;l++)

{

if(sort[i] < sort[l])

{

temp=sort[i];

sort[i]=sort[l];

sort[l]=temp;

}

}

}

System.out.println("arrange in desc");

System.out.println();

for(i=1;i<=n;i++)

{

System.out.println(sort[i]);

}

for(i=1;i<=n;i++)

{

p=sort[i];

for(l=1;l<=n;l++)

{

if(p==profit[l])

{

d[i]=deadline[l];

break;

}

}

}

d[0]=j[0]=0;

j[1]=1;

int k=1;

totprofit=sort[1];

for(i=2;i<=n;i++)

{

int r=k;

while(d[j[r]]>d[i] && (d[j[r]]!=r))

r=r-1;

if((d[j[r]]<=d[i]) && (d[i]>r))

{

for(q=k;q>=r+1;q--)

j[q+1]=j[q];

j[r+1]=i;

k=k+1;

totprofit=totprofit+sort[i];

}

}

System.out.println("the sequence");

for(i=1;i<=k;i++){

System.out.println(" "+j[i]);

}

System.out.println("the profit earned is "+totprofit);

}

}