//numOfposi : number of positions

Order-based X( p1, p2, c1, c2)

numOfpos = Random(n);

//for(int i=0;i<n;i++)temp[i] =0;

while(numOfpos !=0){

int pos ;

do{

pos = Random(n);

}while(temp[pos] == -1)

temp [pos] = p1[pos];

numOfpos -= numOfpos;

}

int incidence=0;

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

if(temp[i] != -1 )

int index =-1

for s =0 to n-1

if(temp[s] != -1)

index = findposition(temp[s],p2,incidence)

incidence += 1

c2[i] = p2[index]

else

c2[i] = p1[i]

findposition(int s, list p[],incidence)

int start =0

for i =0 to len(p)-1

if p[i] == s && start ==incidence return i

else start+=1