// temp[ ]:existing array, to record a cycle , temp[i] => the next element for element i

CX( p1, p2, c1, c2)

for i =0 to n-1

temp[i] = -1

int start = p1[0]

int i=0

temp[i] = p2[i]

temp[temp[i]] = p2[temp[i]]

if(temp[temp[i]] != strat)

do

{

i = temp[temp[i]]

temp[i] = p2[i]

}

while(temp[i] != strat)

for i = 0 to n-1

if(temp[i] !=-1)c2[i] = p1[i]

else

c2[i] = temp[i]

for i = 0 to n-1

if(temp[i] !=-1)c1[i] = p1[i]

else

c1[i] = p2[i]