Chay thucht toch void counting sort (int A[], int n) } int i, j, k = 0; for (i=0; i(n; i++) k= (A[i+]>=k)? A[i]:k; int BCn], CCk]; for (i=0; i <= k; i++) CCi]=0; 2 for (j=0; j(n; j++) C[A[j]] = C[A[j]]+1 (3) for (i=1; i (=k; i+t) C[i] = C[i] + C[i+1]; (4) for (j=n-1; j>=0; j--) } BECCACITI-1] = ACI]; C[ACj]] = C[ACj]] -1; { for (i=0; i(n; i++) ALi] = BLi];

A 0 4 1 3 1 2 4 1 -) C[0] -) C[4] vi 4 la max A 0 4 1 3 1 2 4 1 C113112 Số 0 x huên 1 lain Số 2 x huện 3 lân Số 2 x huện 1 leir ... C(index) 0 1 2 3 4 A 0 4 1 3 1 2 4 1 C 14568 -) San v 1(4)

5 lan llap 1:	index 0 1 2 3 4 5 C 7 A 0 4 1 3 1 2 4 1 B 1 9 B C C [1] - 1] = 1 C 1 3 5 6 8 B C [1]
lan lap 2:	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$
Canlay 3:	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$
lân lày 4:	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$
taingtu	