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Refs: Linear Sorting Slide P.11

```
ALT-COUNTING-SORT(A, B, k)
let C[0..k] be a new array
for i = 0 to k
    C[i] = 0
for j=1 to A.length
    C[A[j]] = C[A[j]] + 1

for i = k-1 downto 0
    C[i] = C[i]+C[i+1]
for j = 1 to A.length
    B[ A.length-C[A[j]]+1 ] = A[j]
    C[A[j]] -= 1
```