Counting Sort Algorithm

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

Radix Sort Algorithm

RADIX-SORT(A, d)for i = 1 to duse a stable sort to sort array A on digit i