

Bucket Sort Algorithm Pseudocode

```
BucketSort(A)
  n = A.length
  Let  $B[0, \dots, n - 1]$  be a new array
  for i = 0 to n - 1
     $B[i] \leftarrow 0$ 
  for i = 1 to n
     $B[\lfloor nA[i] \rfloor] \leftarrow A[i]$ 
  for i = 0 to n-1
    sort list  $B[i]$  using insertion sort
  concatenate the lists  $B[0], B[1], \dots, B[n - 1]$ 
  return B
```