Radix Sort

* works for non negative numbers.
* stable sorting is required.
  - keeps the order of elements with same value before & after sorting
  - ex: 2L, 3L, 3K —sort considering rightmost digit→ 3K, 2L, 3L
  - sort considering leftmost digit → 3K, 3L, 2L (3L still comes after 3K)

182
264
325
598
122
460
325
124
461
245

Sort according to last digit →

use counting sort (with digits as buckets) or other stable sorting algorithm (ex: Bubble sort)

122
124
325
325
245
460
461
264
182
598

← continue for remaining digits

* To get the digit: $\left(\frac{n}{e}\right) \% 10$ →
  - floor division
  - x10 in each iteration
  - ex: n = 325
    - e = 1 → 5
    - e = 10 → 2
    - e = 100 → 3

Repeat while max-value // e > 0