

2/7 Bucket Sort

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Sort an array of values using k buckets

Close to quicksort when $k = 2$

Single round Radix or "MSD" depends on k

After buckets made

Sort buckets (w/e method you want)

merge buckets

alternatively

Bucket sort recursively

Bucket sort works well when the data is uniformly distributed and the number of buckets is close to \sqrt{n} .

is uniformly distributed and the
number of buckets is close to the
number of elements.