

Radix Sort

Josh Wilcox (jw14g24@soton.ac.uk)

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1 Assumptions

- There is an array `arr` of size n
- Each item in the array is a d -digit number (word length)
- Each digit can take at most k possible values

```
1 RadixSort(arr, d){  
2     for (int i = 1; i <=d){  
3         StableSortArrByDigit(digitIndex=i);  
4     }  
5 }
```

jet	mad	mad	act
day	one	car	are
key	see	bar	bar
one	are	day	car
zoo	zoo	way	day
car	car	act	her
mad	bar	see	his
bar	her	her	jet
see	his	jet	key
are	jet	key	mad
way	act	his	one
act	you	one	see
you	day	zoo	way
her	key	you	you
his	way	are	zoo