

As another example we might want to alphabetize names.

General purpose sorting method

- provide a comparator

- another option is to provide

Digitizer

Digitizer Interface

int getBase(): # values b where
digit values $0, \dots, b-1$

like k
in counting
sort
↙

words, $b = 26$

int numDigits(T x): # digits in element

Cab , # digits = 3

int getDigit(T x, int place): value of place
for x

$x = Cab$
2 0 1

getDigit(x, 0) = 1

getDigit(x, 1) = 0
...

5 7 9 8 1

