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...b-1

words, b = 26

int numDigits(T x): # digits in element

\( \text{int getDigit(T x, int place): for } x = \frac{C_{ab}}{b^0 b^1} \text{ getDigit}(x, 0) = 1 \text{ getDigit}(x, 1) = 0 \)
57981

10² place 10¹ place 10⁰ place