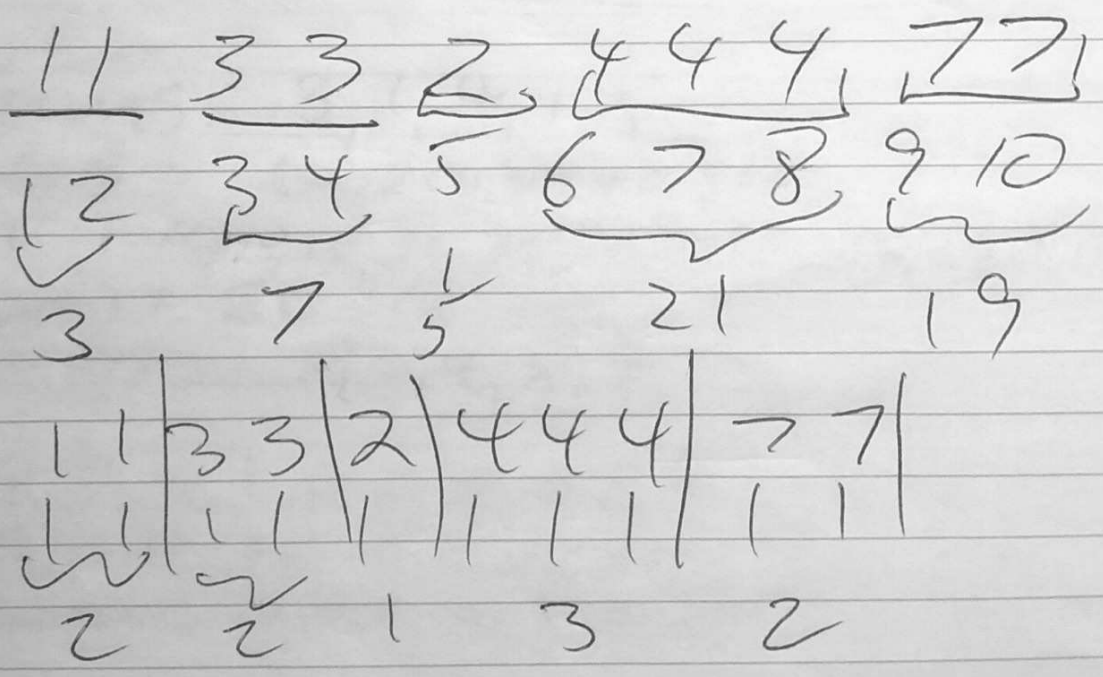


PAR C20 4/6/20 |

BUCKET SORT?

- 1 - EACH CELL IS A VECTOR
  - PER VECTOR OVERHEAD
  - DOESN'T || - 12E
- 2 (BUCKET #, ITEM)

REDUCE BY KEY



# MATLAB

- WRITE ME IF YOU WANT IT
- GPU FUNCTIONS
- CAN CALL YOUR CUDA CODE.
- ALSO DOES MULTICORE ON XEON
- BUT IT'S LICENSE LIMITED,

## EXPAND

C-COUNTS: 3, 1, 4, 1, 5

✓ VALS: 10, 20, 30, 40, 50

OUT: 10, 10, 10, 20, 30, 30, 30, 30, 40, 50, 50, 50, 50, 50

$L(OUT) = \sum C = 14$

OFFSETS: 0, 3, 4, 8, 9

0 0 0 | 2 0 0 0 3 4

0 0 0 | 2 2 2 2 3 4

10 10 10 20 30 30 30 30 40 50 . . .