Names: ______________________________ Medians & Selection 3/3/20

CS Logins: ___________________________ Worksheet #10

Activity #5: Show how you would Radix Sort the following input sequence: **[43, 91, 25, 63, 5, 42]**

1's place

0	1	2	3	4	5	6	7	8	9
			43						

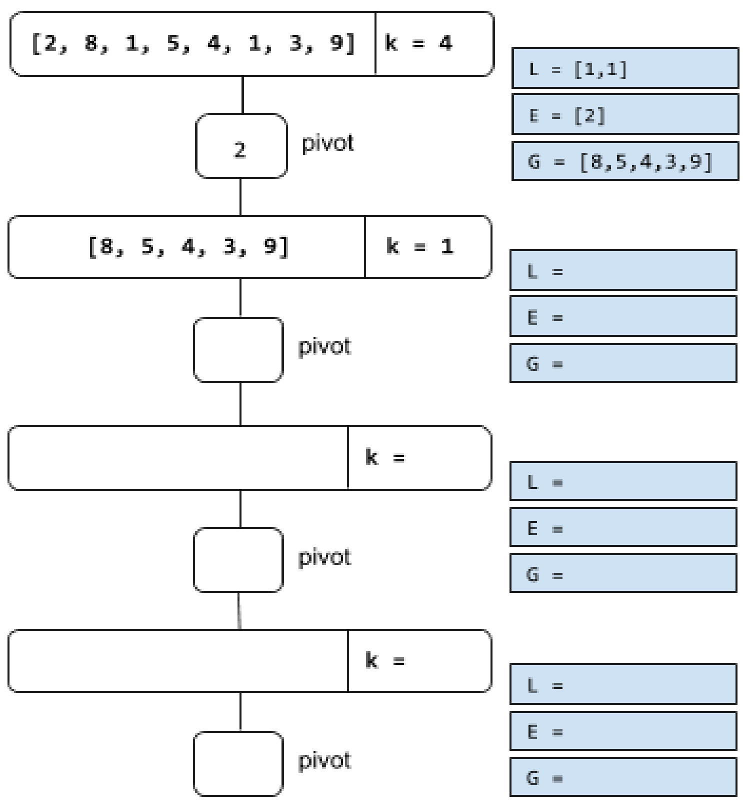
New list:

10's place

0	1	2	3	4	5	6	7	8	9

New List (whoa, it's sorted!):

Activity #1: Selection. Try to hand-simulate `quickselect(list, k)` with the given inputs, and a random pivot (in this case we'll use the first element): `listy = [2,8,1,5,4,1,3,9],`
`select(listy, 4):`



Activity #2: What is the worst case runtime of Hoare's Selection?

What case gives us this runtime?