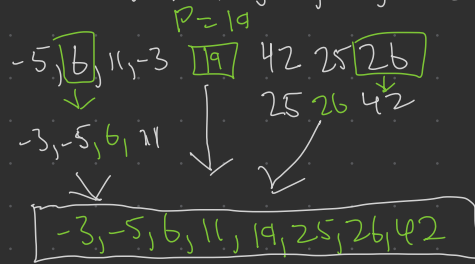
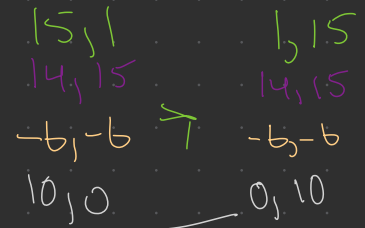


Question 3: $[-5, 42, 6, 19, 11, 25, 26, -3]$ Quicksort



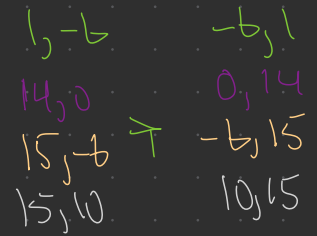
Question 4: Shell sort $[15, 14, -6, 10, 1, 15, -6, 0]$

Gap = $8/2 = 4$



$\rightarrow 1, 14, -6, 0, 15, 15, -6, 10$

Gap: 2



$\rightarrow -6, 0, 1, 14, -6, 10, 15, 15$

Gap: 1

$[-6, -6, 0, 1, 10, 14, 15, 1]$