

list								
0	1	2	3	4	5	6	7	8
29	10	14	37	14	20	7	16	12

quickSort								
arr	list							
low	0							
high	8							

p2								
arr	list							
low	0							
high	8							
pivot	29							
i	0							
j	8							

arr i = pivot(29)
arr j < pivot (29)
i < j
swap arr i(29) and arr j(12)

quickSort								
arr	list							
low	0							
high	8							

p2								
arr	list							
low	0							
high	8							
pivot	29							
i	3							
j	7							

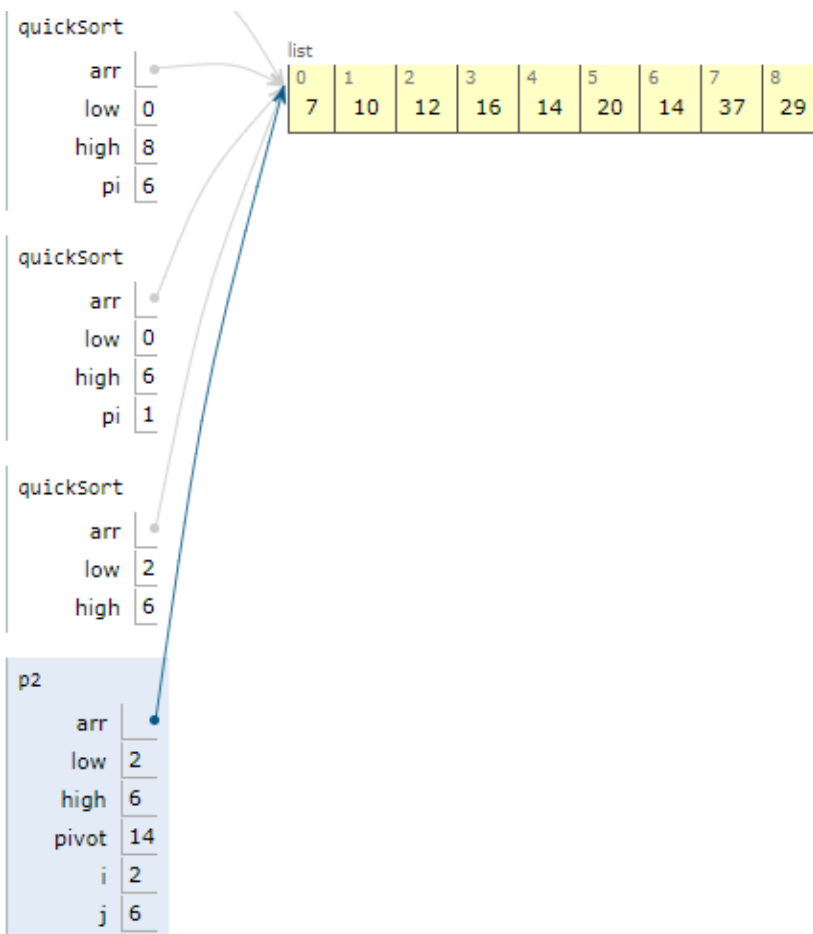
10 < 29 so i++
14 < 29 so i++
now arr i = 37
now j = 16
swap arr i(37) and arr j(16)

quickSort								
arr	list							
low	0							
high	8							
pi	6							

quickSort								
arr	list							
low	0							
high	6							

p2								
arr	list							
low	0							
high	6							
pivot	12							
i	0							
j	6							

16 < 29 so i++
14 < 29 so i++
20 < 19 so i++
now i = 7
j = 7
now i >= j so return j



7 < 14 so i++

10 < 14 so i++

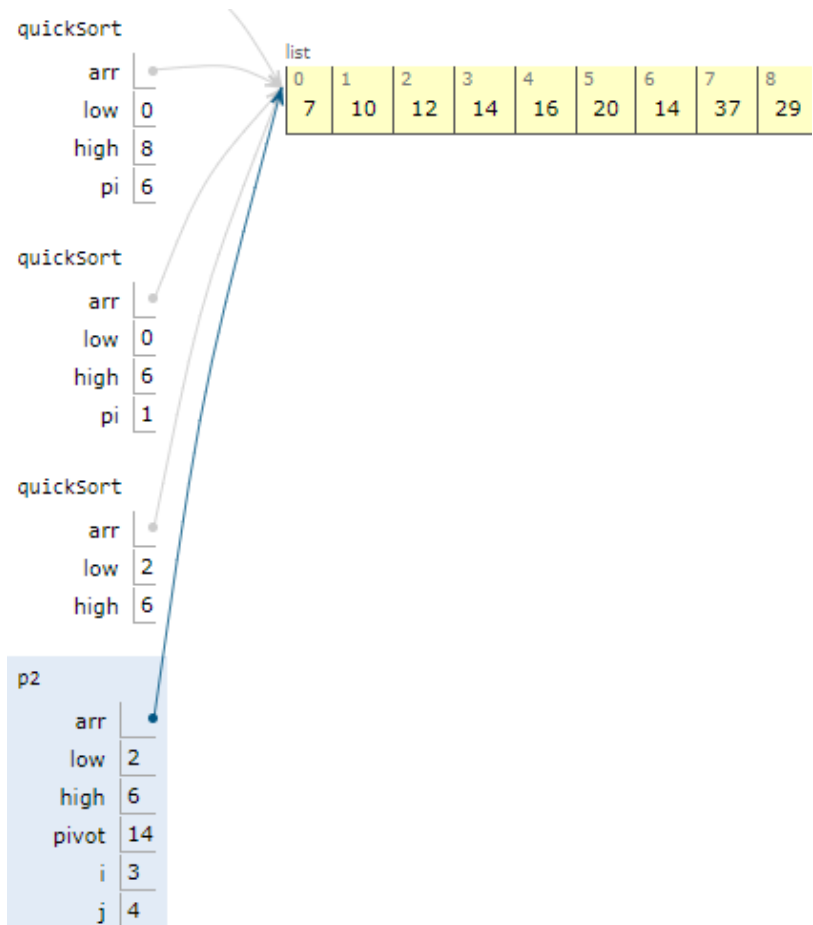
now i = 14

29 > 14 so j++

37 > 14 so j++

now j = 12

swap arr i(14) and arr j(12)



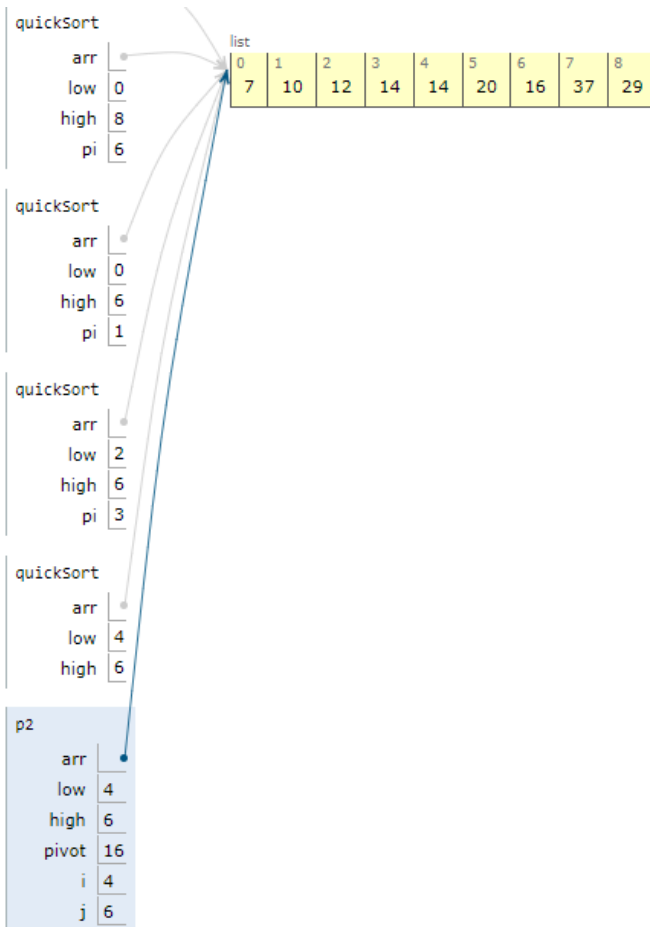
12 < 14 so i++

now i = 16

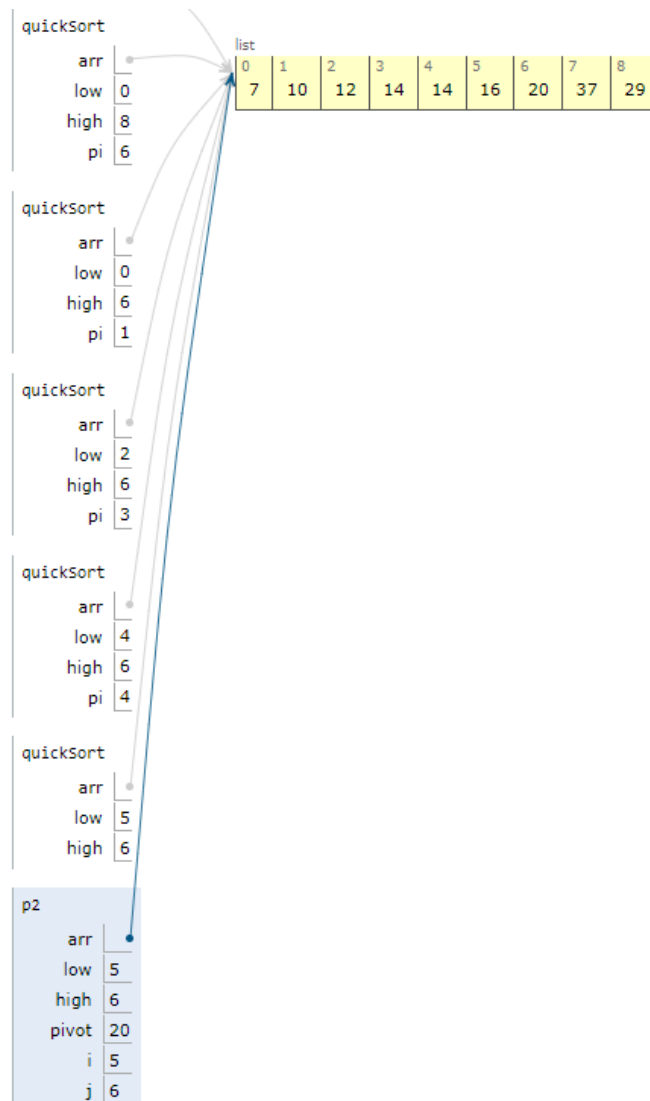
20 > 14 so j++

now j = 14

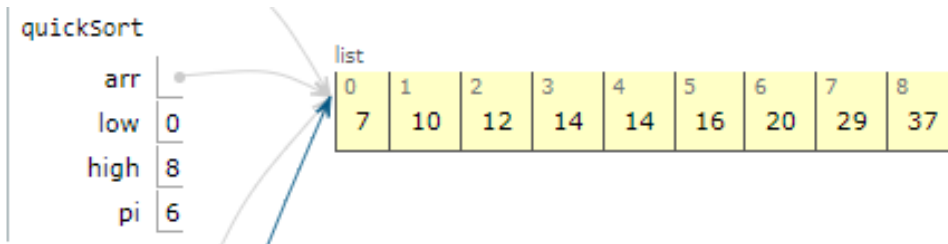
swap arr i(16) and arr j(14)



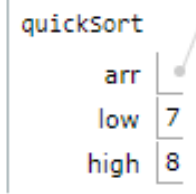
swap arr i(16) and arr j(14)



swap arr i(20) and arr j(16)



result



swap arr i(39) and arr j(29)

