

assignment-4-quick-sort -- zsh -- 202x55

98, 155, 137, 191, 109, 215, 203, 284, 349, 364, 456, 227, 248, 457

After partition

98, 109, 137, 191, 155, 215, 203, 284, 349, 364, 456, 227, 248, 457

After partition

98, 109, 137, 191, 155, 215, 203, 284, 349, 364, 456, 227, 248, 457

After partition

98, 109, 137, 155, 191, 215, 203, 284, 349, 364, 456, 227, 248, 457

After partition

98, 109, 137, 155, 191, 203, 215, 284, 349, 364, 456, 227, 248, 457

After partition

98, 109, 137, 155, 191, 203, 215, 248, 227, 364, 456, 349, 284, 457

After partition

98, 109, 137, 155, 191, 203, 215, 227, 248, 364, 456, 349, 284, 457

After partition

98, 109, 137, 155, 191, 203, 215, 227, 248, 284, 349, 456, 364, 457

After partition

98, 109, 137, 155, 191, 203, 215, 227, 248, 284, 349, 456, 364, 457

After partition

98, 109, 137, 155, 191, 203, 215, 227, 248, 284, 349, 364, 456, 457

Sorted random array: 2

98, 109, 137, 155, 191, 203, 215, 227, 248, 284, 349, 364, 456, 457

Quick sort for worst case arrays table

N	Actual Count	T(N) = (n * n)
20	109	400
14	104	196

Quick sort for random arrays table

N	Actual Count	T(N) = (n log n)
16	38	64
10	15	30
13	21	39

Quick sort using Hoare Partition table

N	Actual Count	T(N) = (n log n)
18	23	72
14	14	42