Selection sort

Description of the second

Scan list and more min to a new list

64

Dry run

74 32 89 55 21 64

21

74

32

74 32 89 55 21 64 21 32

74 32 89 55 21 64

21 32 85

89

21 32 55 64

74 32 89 55 21 64 21 32 55 64 74

74 32 89 55 21 69

21 32 55 64 74 89

Select sorting in place:

- Find min elt. Swap with elt in 1st por in list
- Find second min elt. swap with elt in 2nd por in list
:

Dry ru

74 32 89 55 21 64
$$O(n)$$

21 32 89 55 74 64

21 32 85 89 74 64

21 32 85 64 74 89 $O(n)$

21 32 55 64 74 89 $O(n)$