

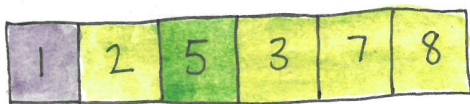
SELECTION SORT



(1) Find minimum value in array



(2) Swap it with the first element



unsorted sub-array

(3) Call selection sort recursively on the unsorted sub-array starting at index 1

★ Base case: single element array



← Already sorted!

Notes:

- ★ $O(n^2)$ in worst, best & avg case
- ★ Stable but non adaptive
- ★ Good choice when moving data is expensive