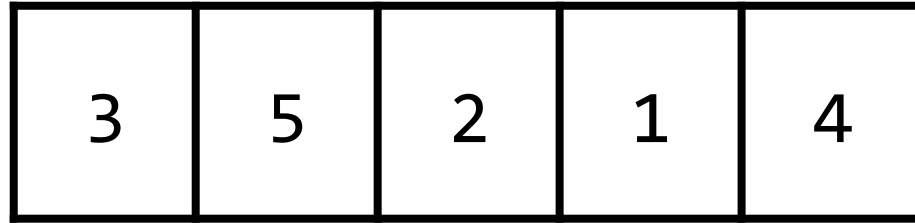


TODO

- search
- sort

selection sort



[0]

[1]

[2]

[3]

[4]

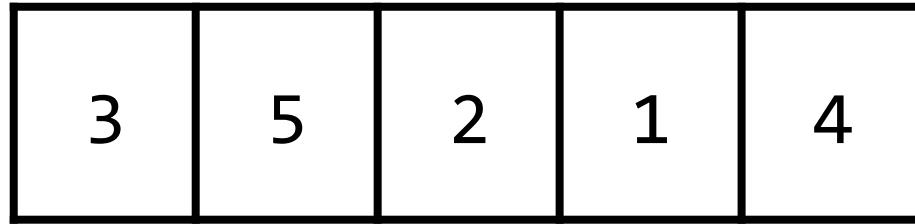


i



min

selection sort



[0] [1] [2] [3] [4]

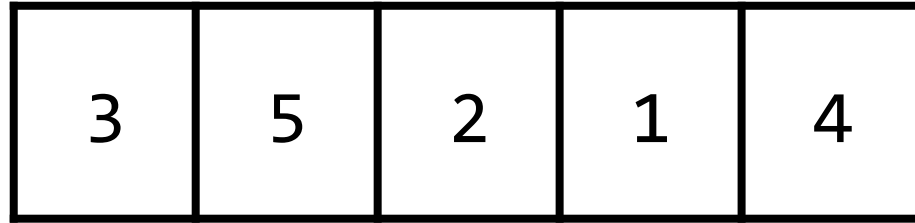


i

min



selection sort

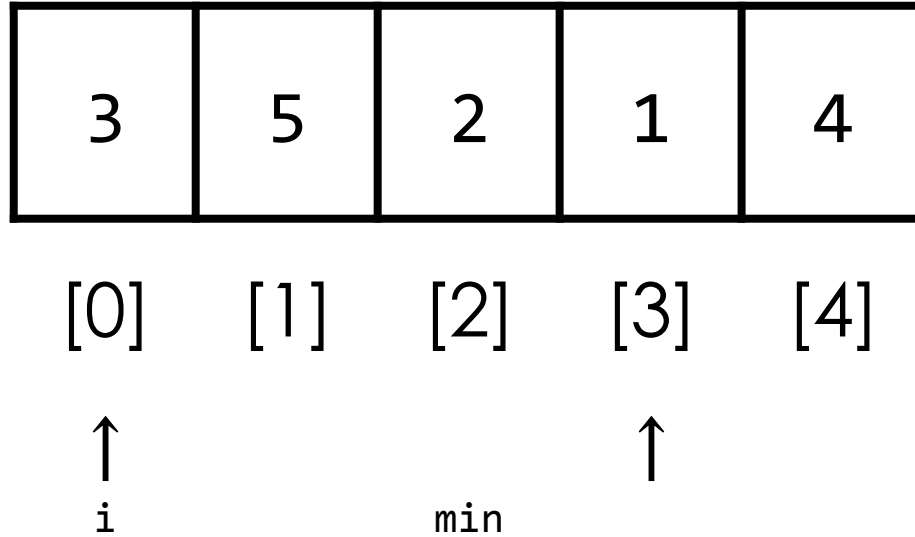


[0] [1] [2] [3] [4]

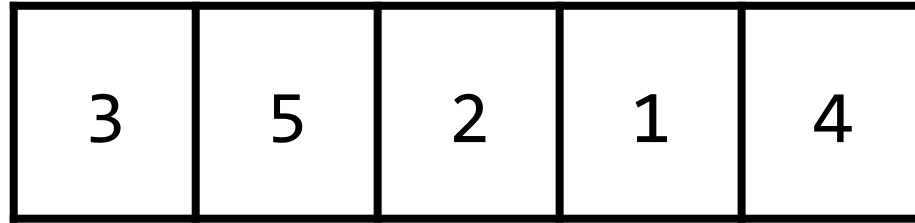
↑
i

↑
min

selection sort



selection sort



[0]

[1]

[2]

[3]

[4]

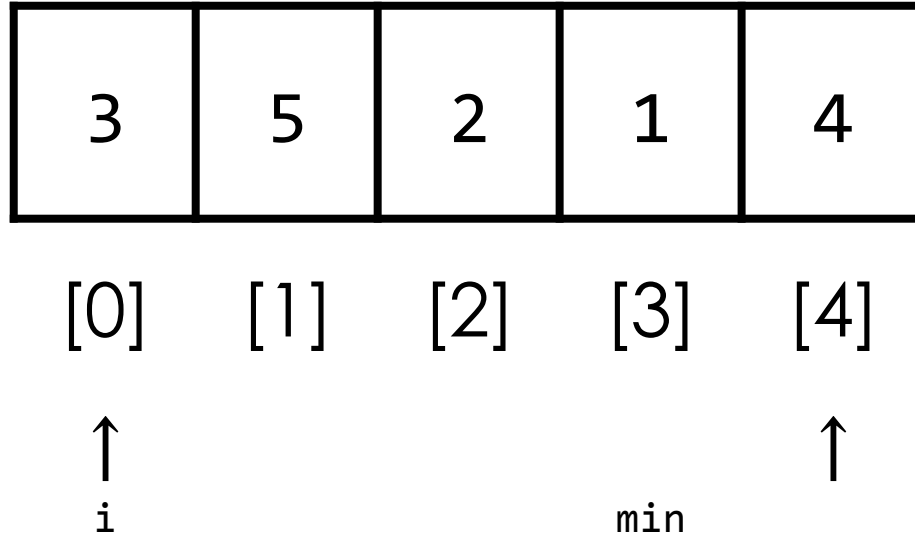


i

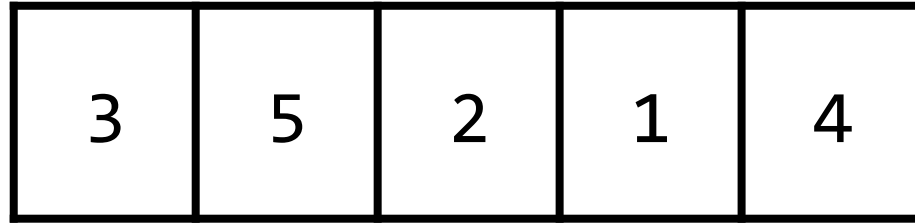


min

selection sort



selection sort



[0]

[1]

[2]

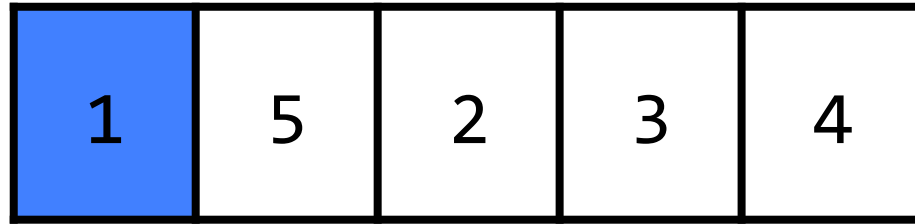
[3]

[4]

↑
i

min

selection sort



[0]

[1]

[2]

[3]

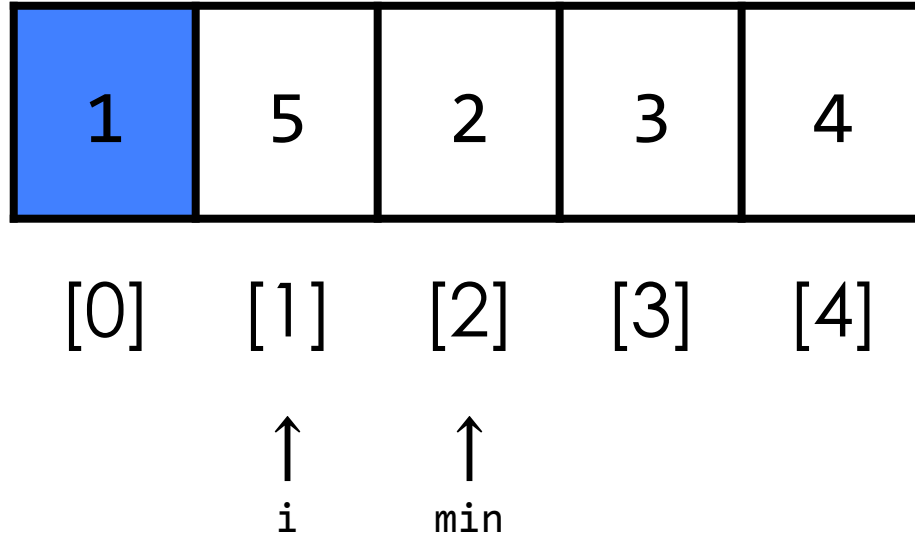
[4]



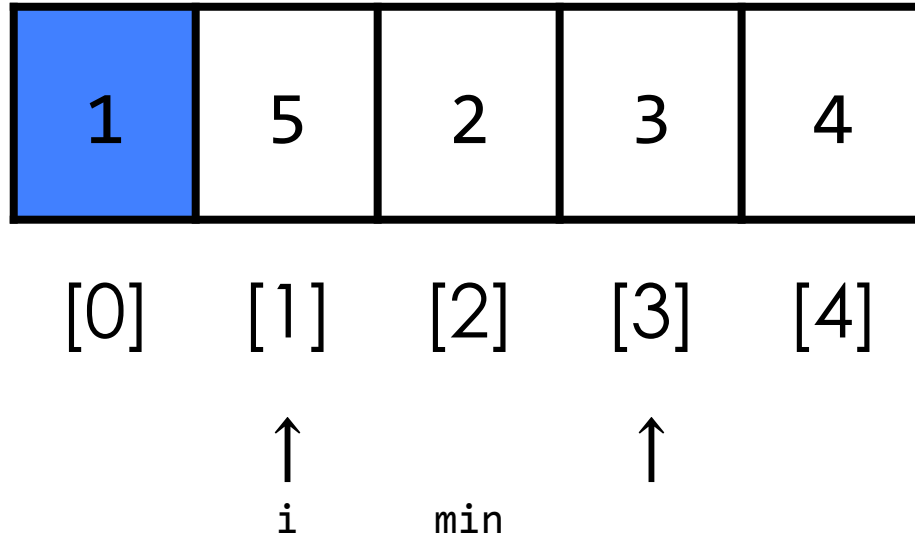
i

min

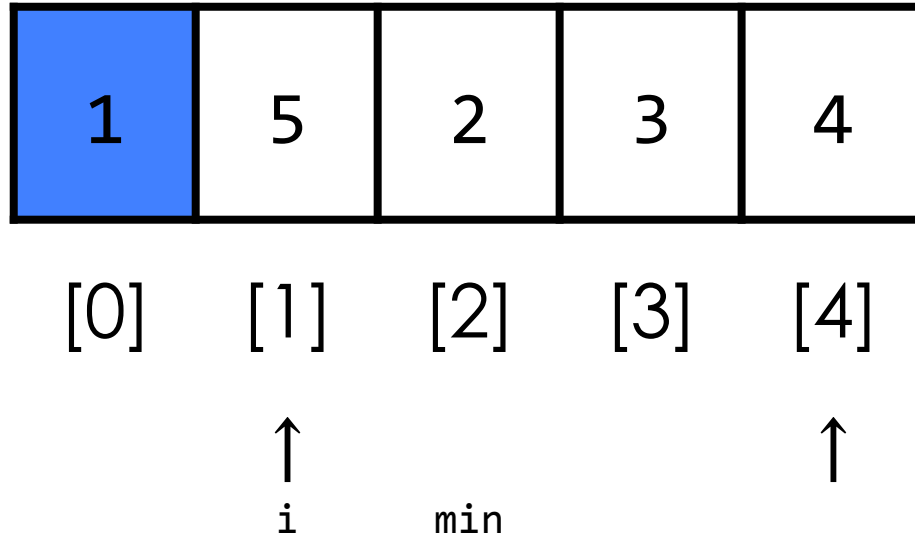
selection sort



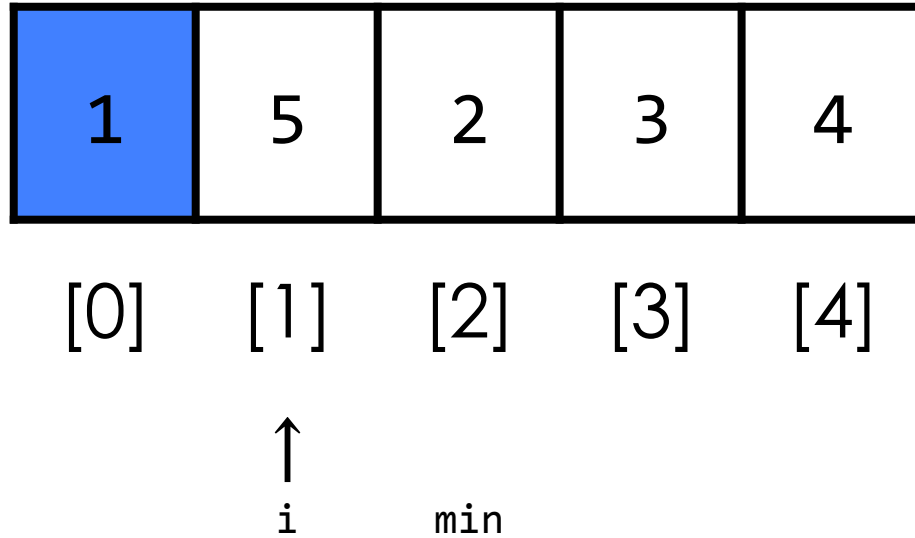
selection sort



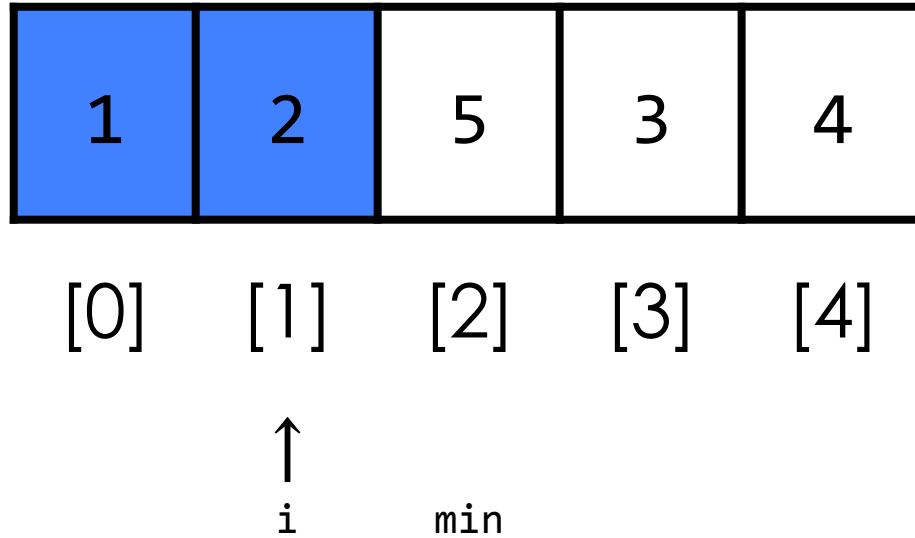
selection sort



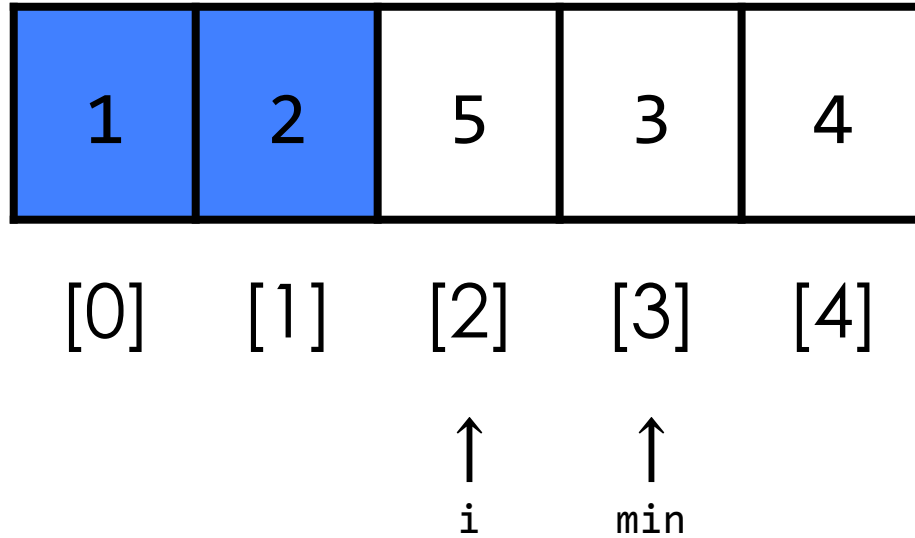
selection sort



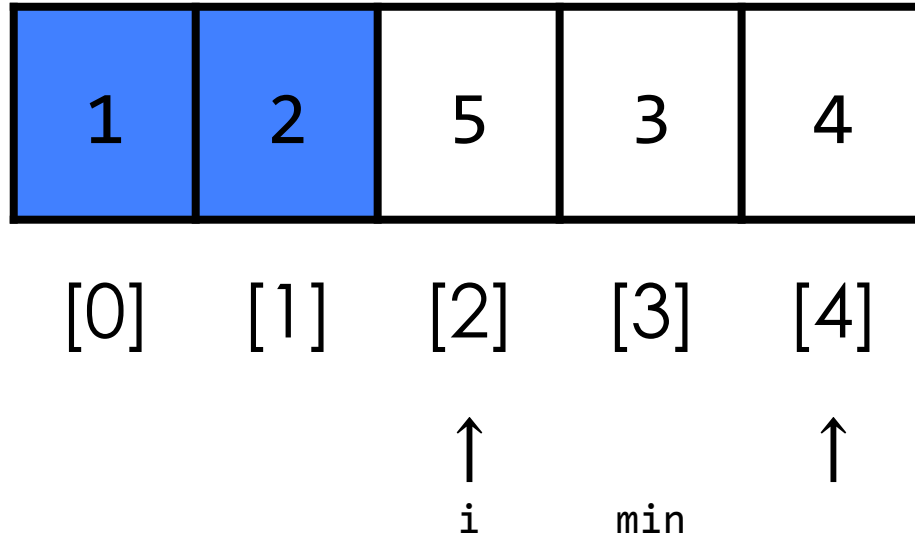
selection sort



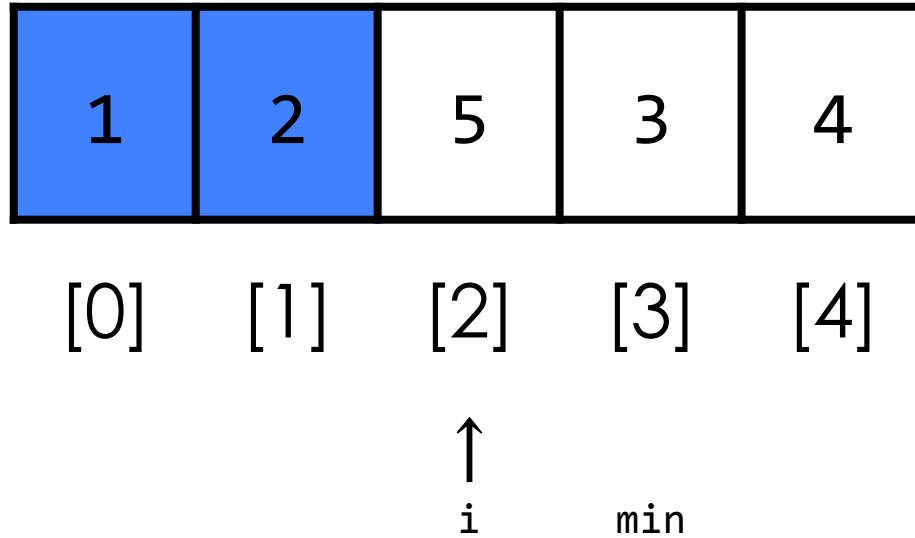
selection sort



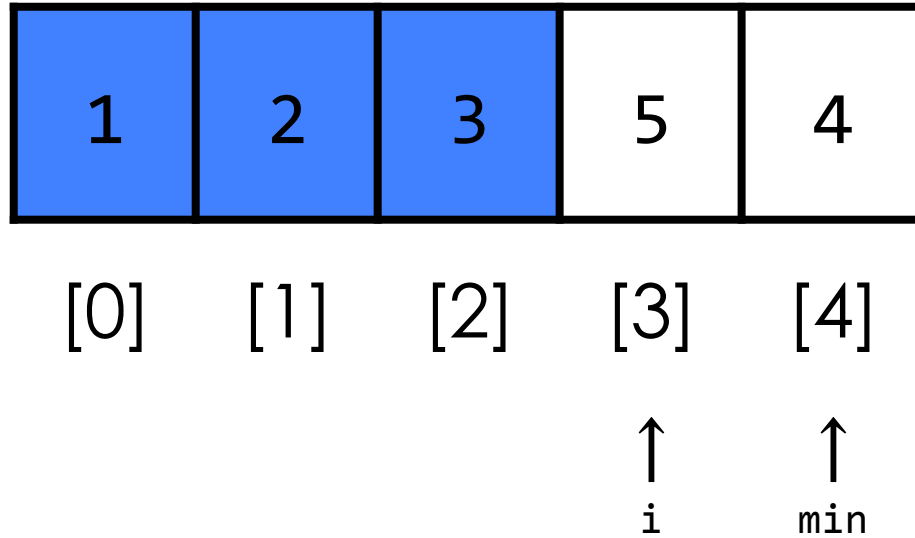
selection sort



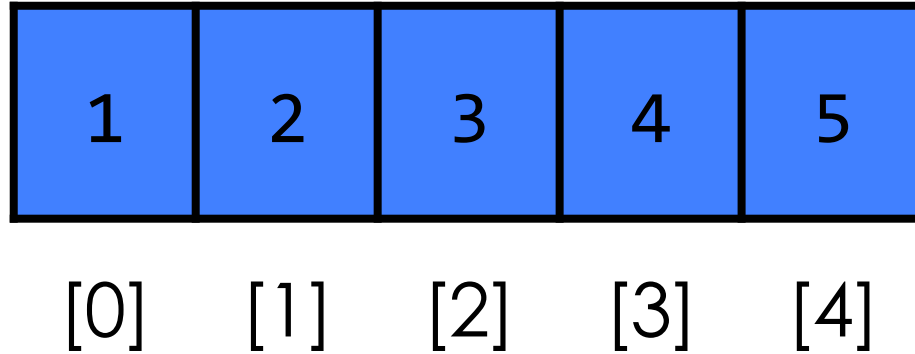
selection sort



selection sort



selection sort



selection sort pseudocode

```
for i = 0 to n - 2
```

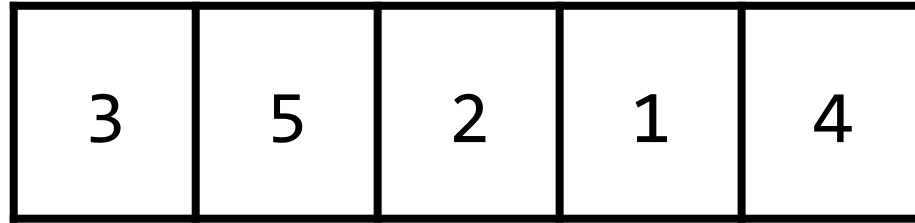
```
    find smallest element from i + 1 to n - 1
```

```
    exchange smallest element with element at i
```

bubble sort

- iterate over list
- compare adjacent elements
- swap elements that are in the wrong order
- largest element will 'bubble' to the end
- the list is sorted once no elements have been swapped

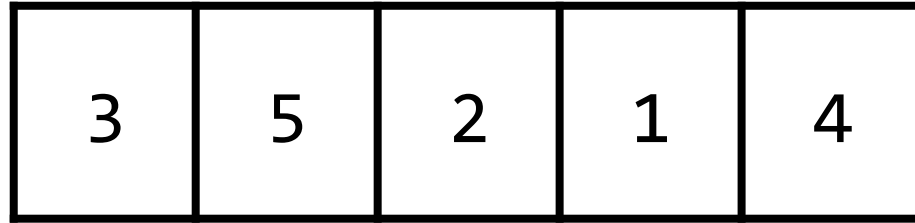
bubble sort



[0] [1] [2] [3] [4]

↑ ↑
left right

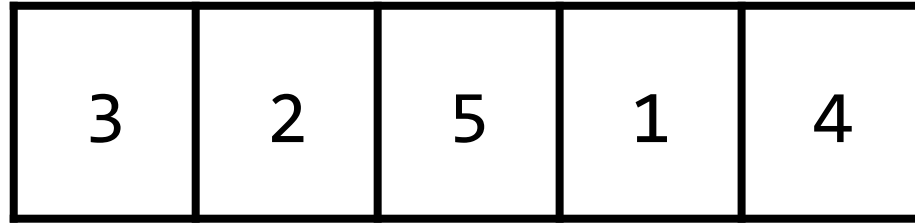
bubble sort



[0] [1] [2] [3] [4]

↑ ↑
left right

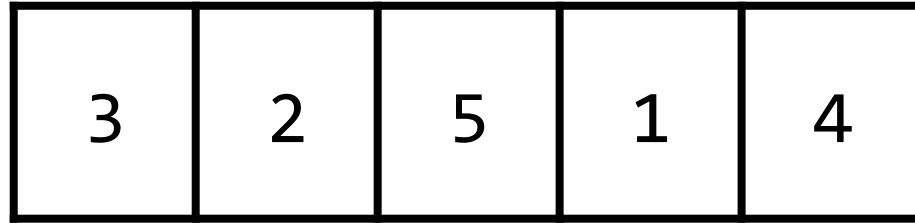
bubble sort



[0] [1] [2] [3] [4]

↑ ↑
left right

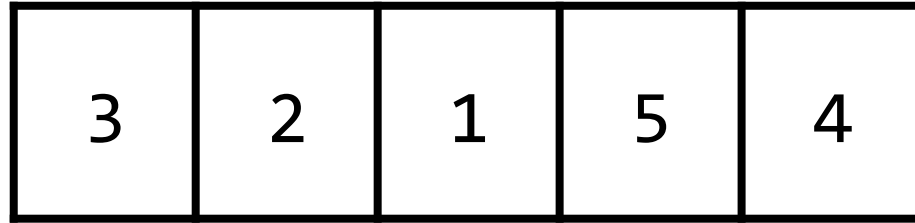
bubble sort



[0] [1] [2] [3] [4]

↑ ↑
left right

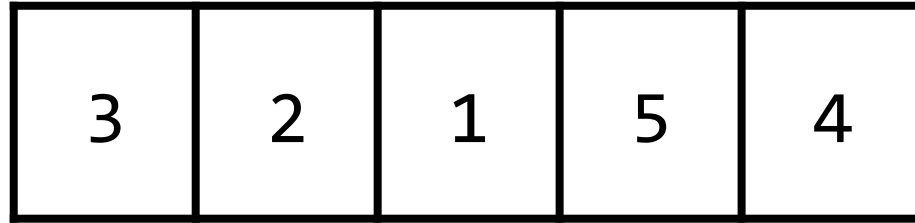
bubble sort



[0] [1] [2] [3] [4]

↑ ↑
left right

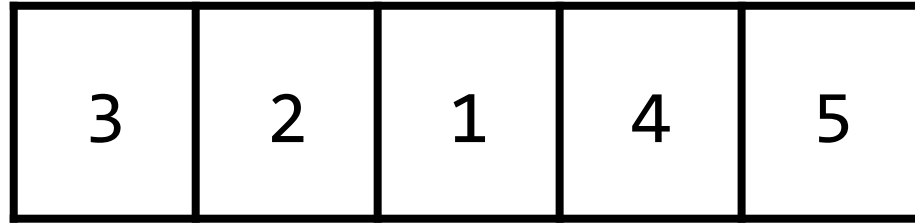
bubble sort



[0] [1] [2] [3] [4]

↑ ↑
left right

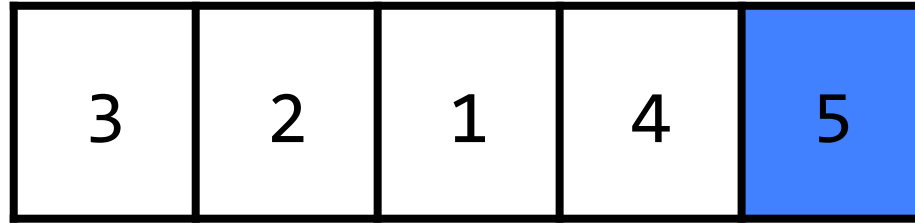
bubble sort



[0] [1] [2] [3] [4]

↑ ↑
left right

bubble sort



[0] [1] [2] [3] [4]

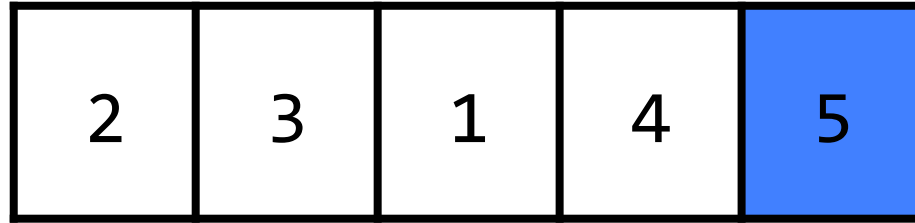


left



right

bubble sort



[0] [1] [2] [3] [4]

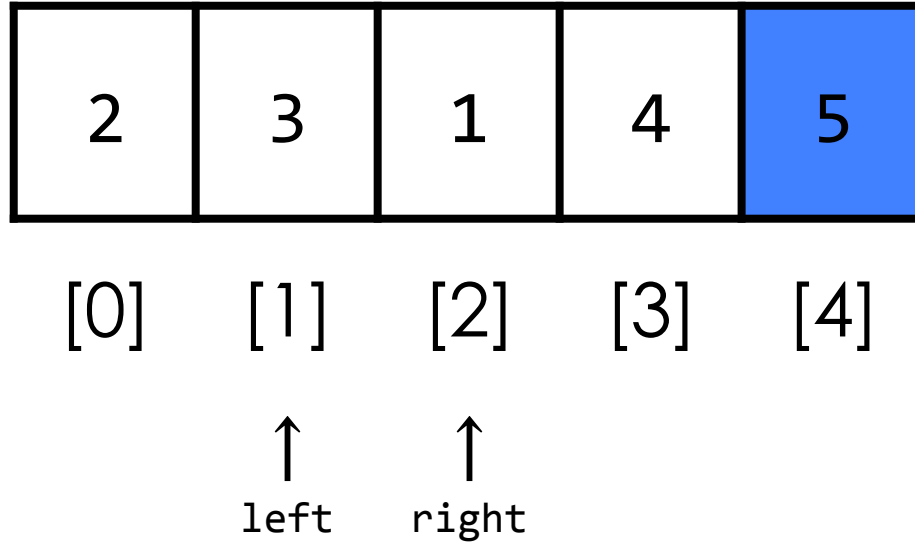


left

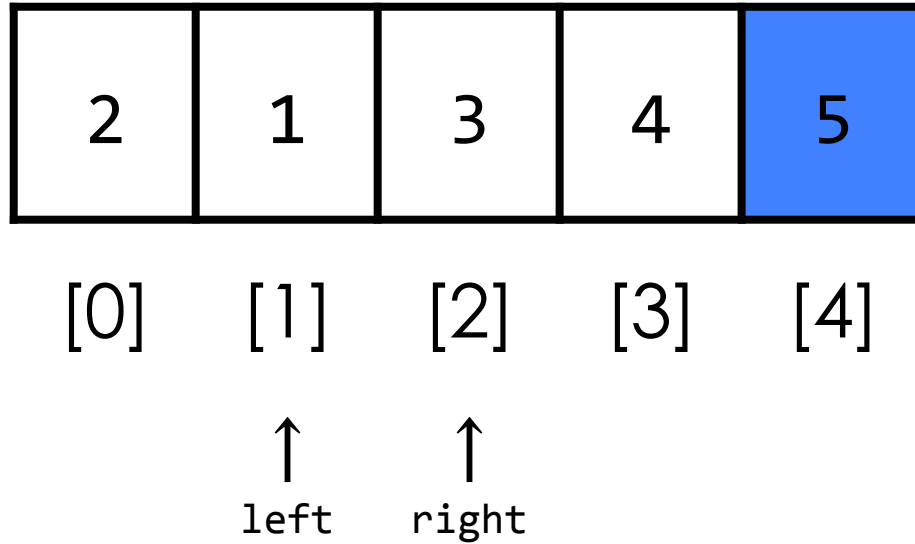


right

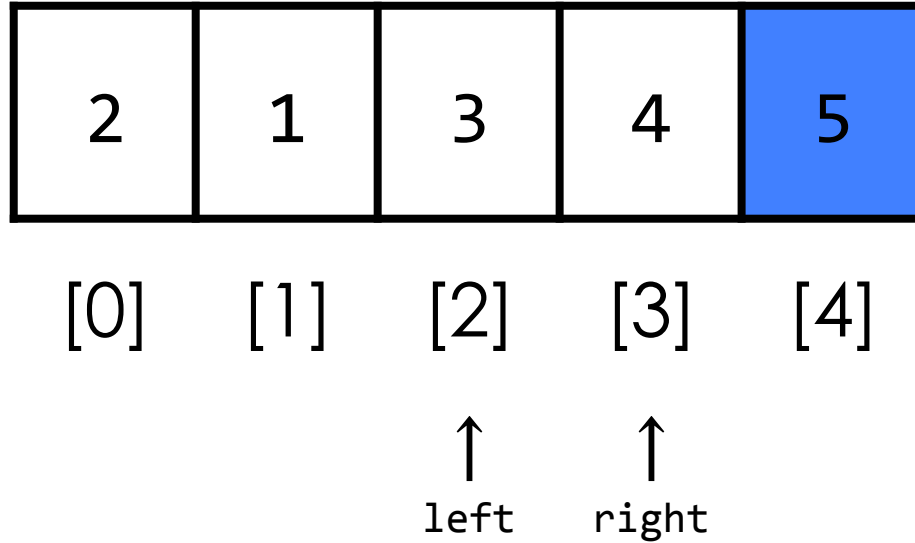
bubble sort



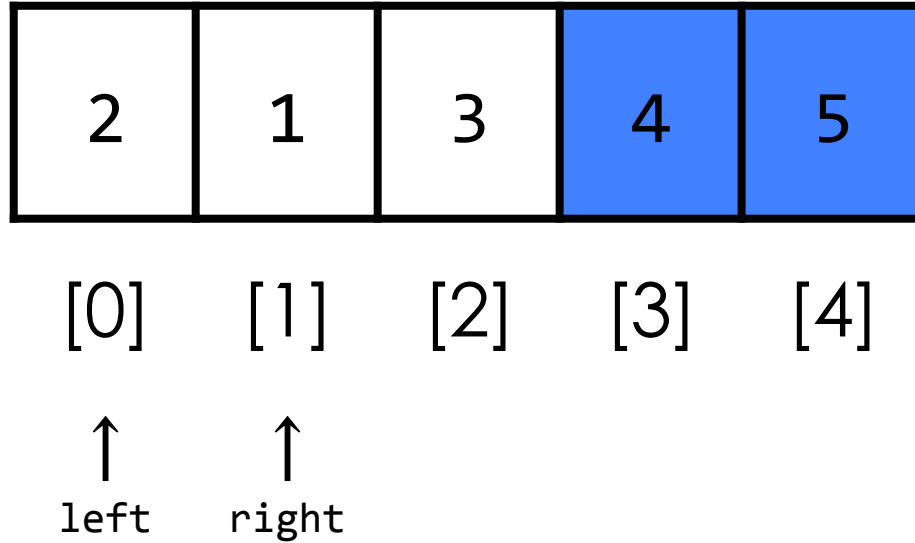
bubble sort



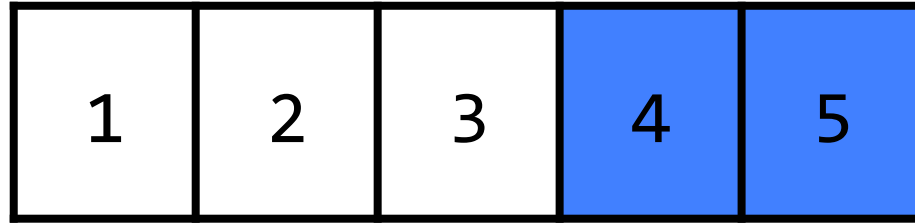
bubble sort



bubble sort



bubble sort



[0] [1] [2] [3] [4]

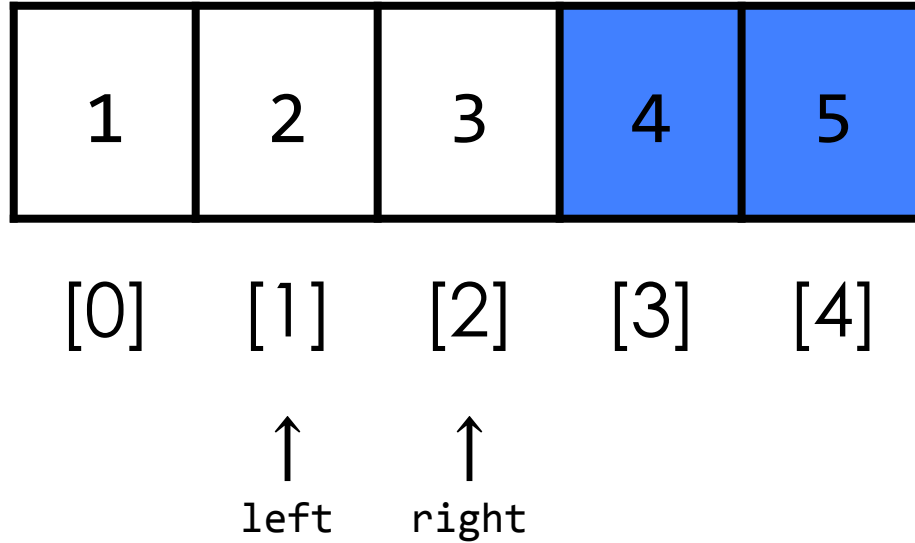


left

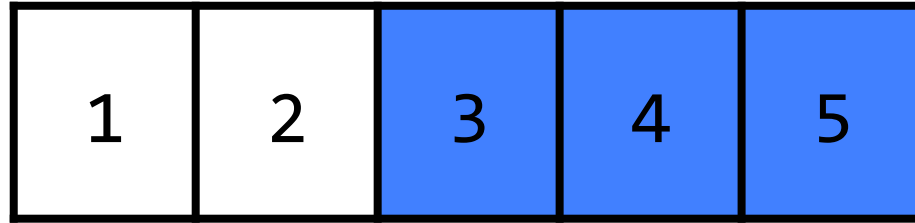


right

bubble sort



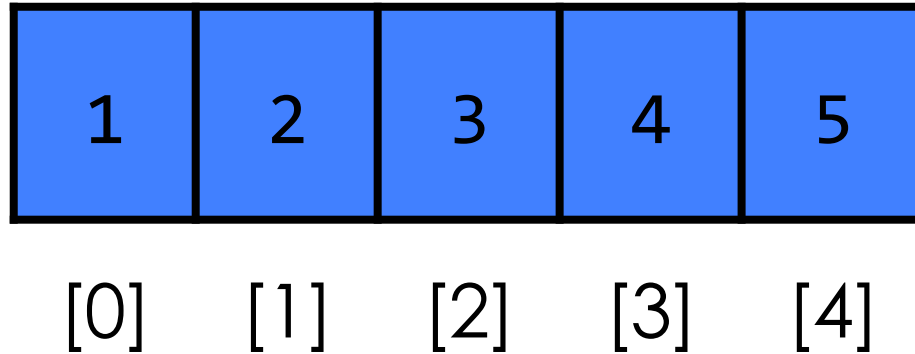
bubble sort



[0] [1] [2] [3] [4]

↑ ↑
left right

bubble sort



TODO

search

sort

this was find