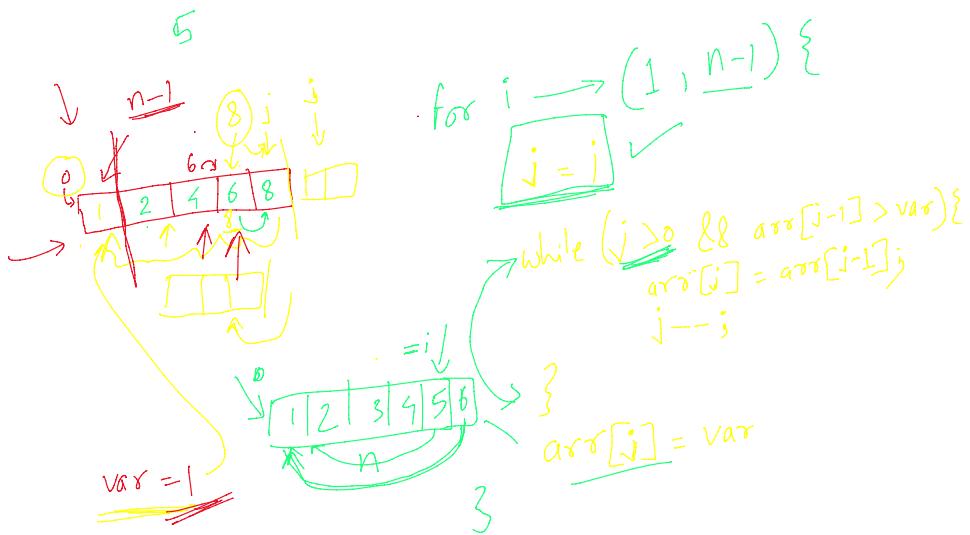
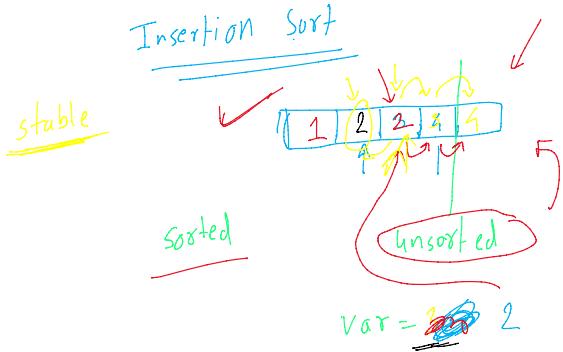
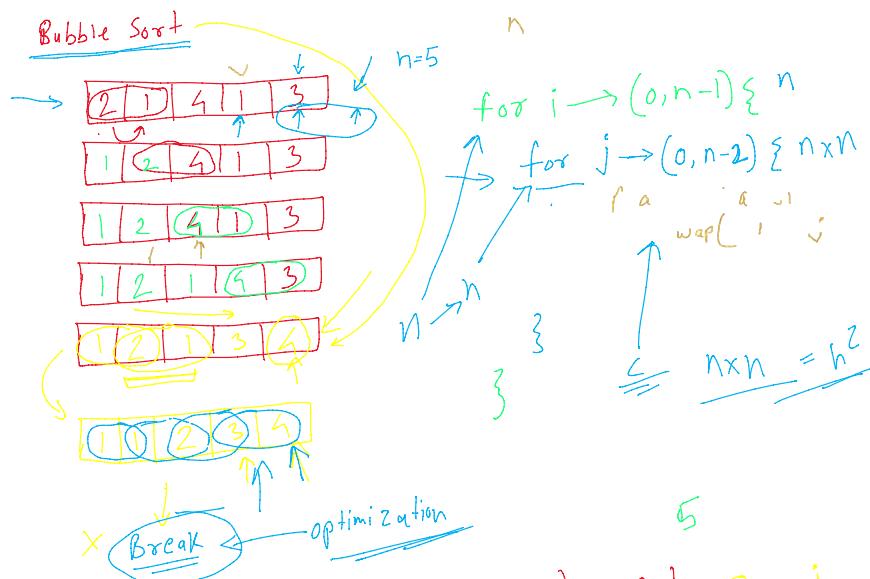
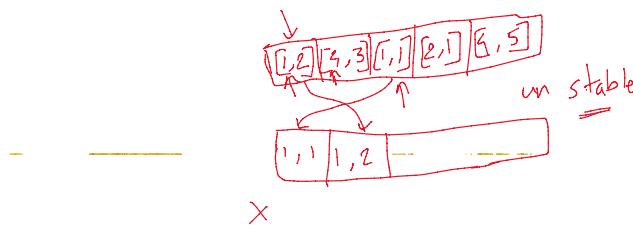
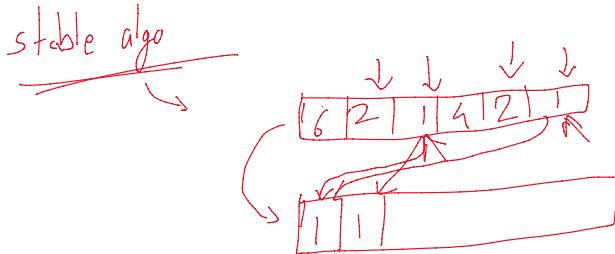


Selection Sort

Time $\rightarrow O(n^2)$
Space $\rightarrow O(1)$



A hand-drawn diagram illustrating a square divided into smaller squares. The top row contains n squares. The entire figure is labeled $n \times n = n^2$.

i	j
1	1
1	0
2	2
2	1
2	0
3	3
3	2
3	1
3	0

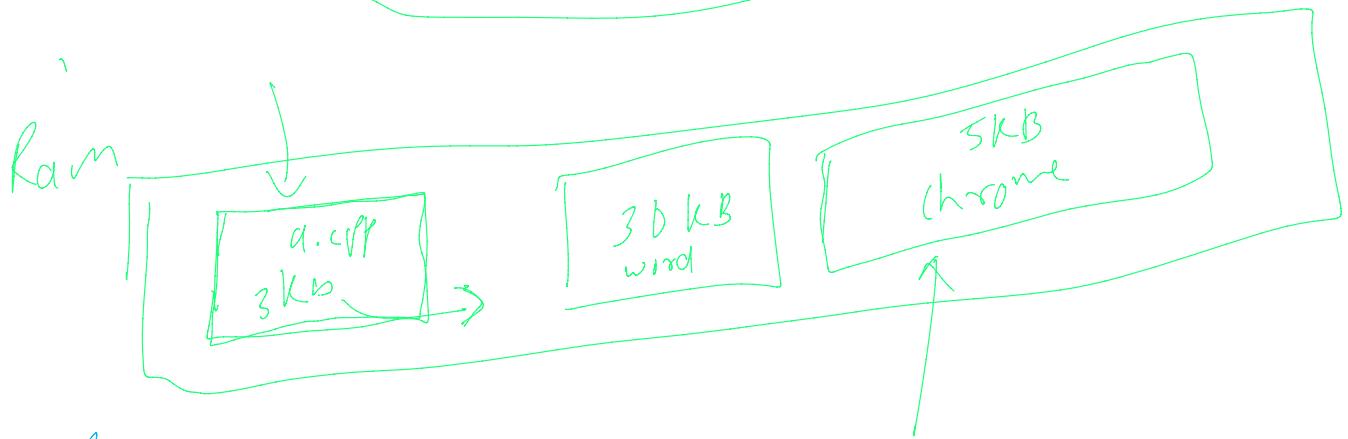
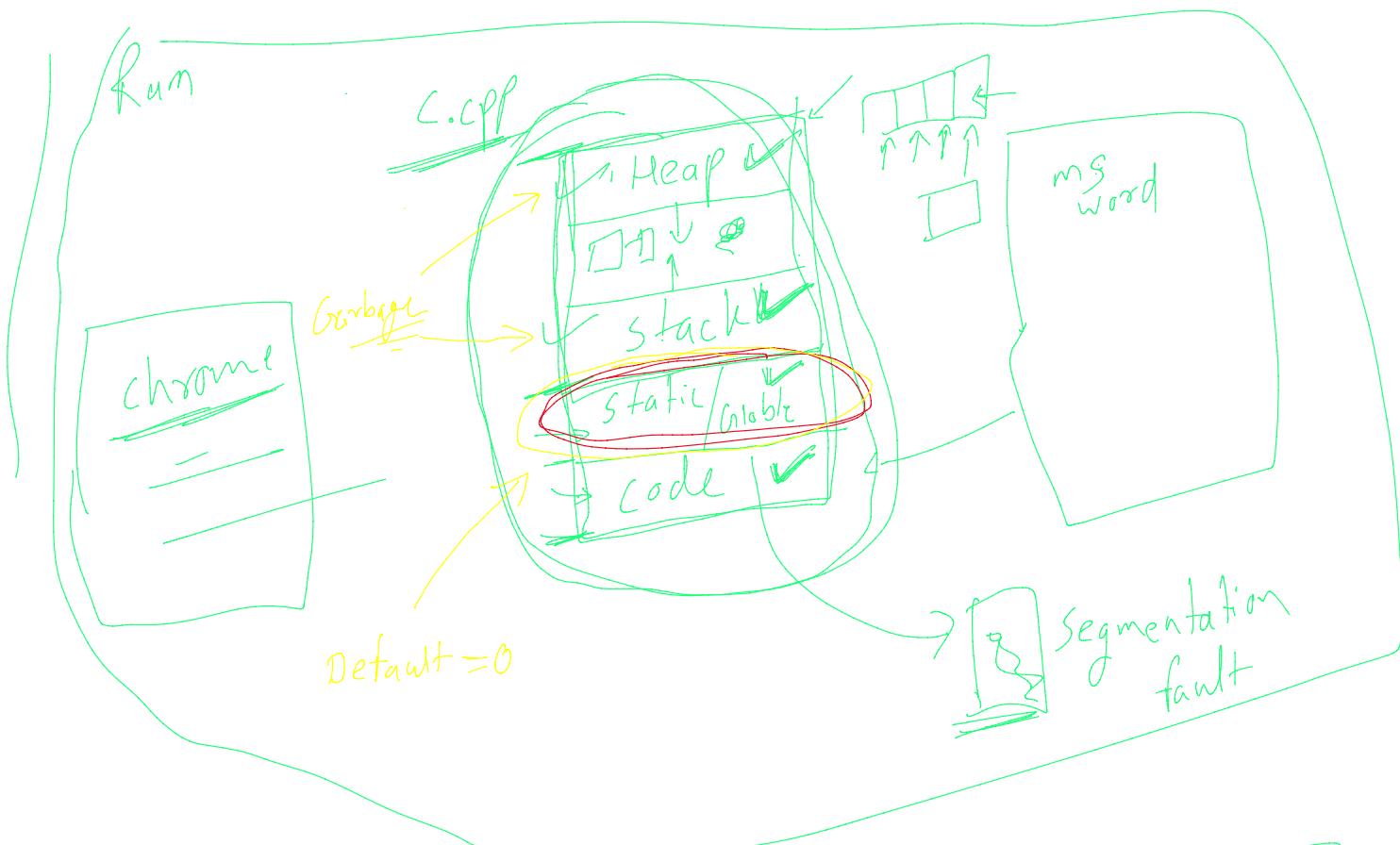
3	9	5	2
A	C	R	R

$$\frac{g}{\cancel{16}} \stackrel{\checkmark}{\cancel{16}} = \underline{\underline{16}}$$

h
z
z

$$(n-1)^2$$

$$3^2 = 9$$



stable

- ① Bubble Sort
- ② Insertion Sort
- ③ Merge Sort
- ④ Counting Sort

unstable

- ① Selection Sort
- ② Quick sort
- ③ Heap Sort
- ④ Cycle sort

