Decrease and conquer:

-1

- Insertion sort
- Topological Sort

- Top-Down approach:

  → naturally Recursive

[0...n-1]

[0...n-2]

- Bottom up approach (incremental)

Insertion Sort

sorted

sorted

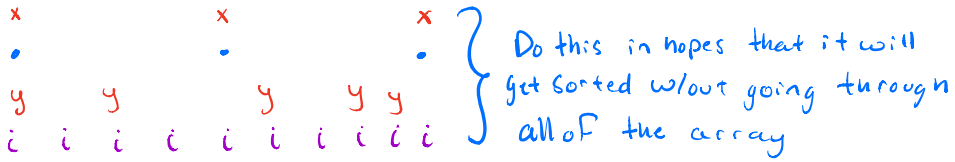
sorted

Sorted

V = A[i]

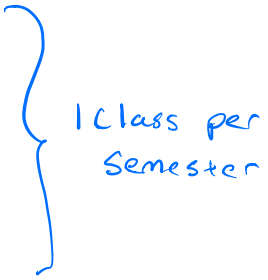
j = i-1

- Shell Sort



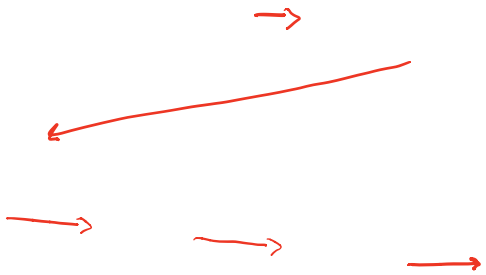

- Topological Sorting

→ Capturing dependencies between vertices




- Approach 1:

- Approach 2: Incremental approach



/2

- Binary search

X not here!  O here!

ex: