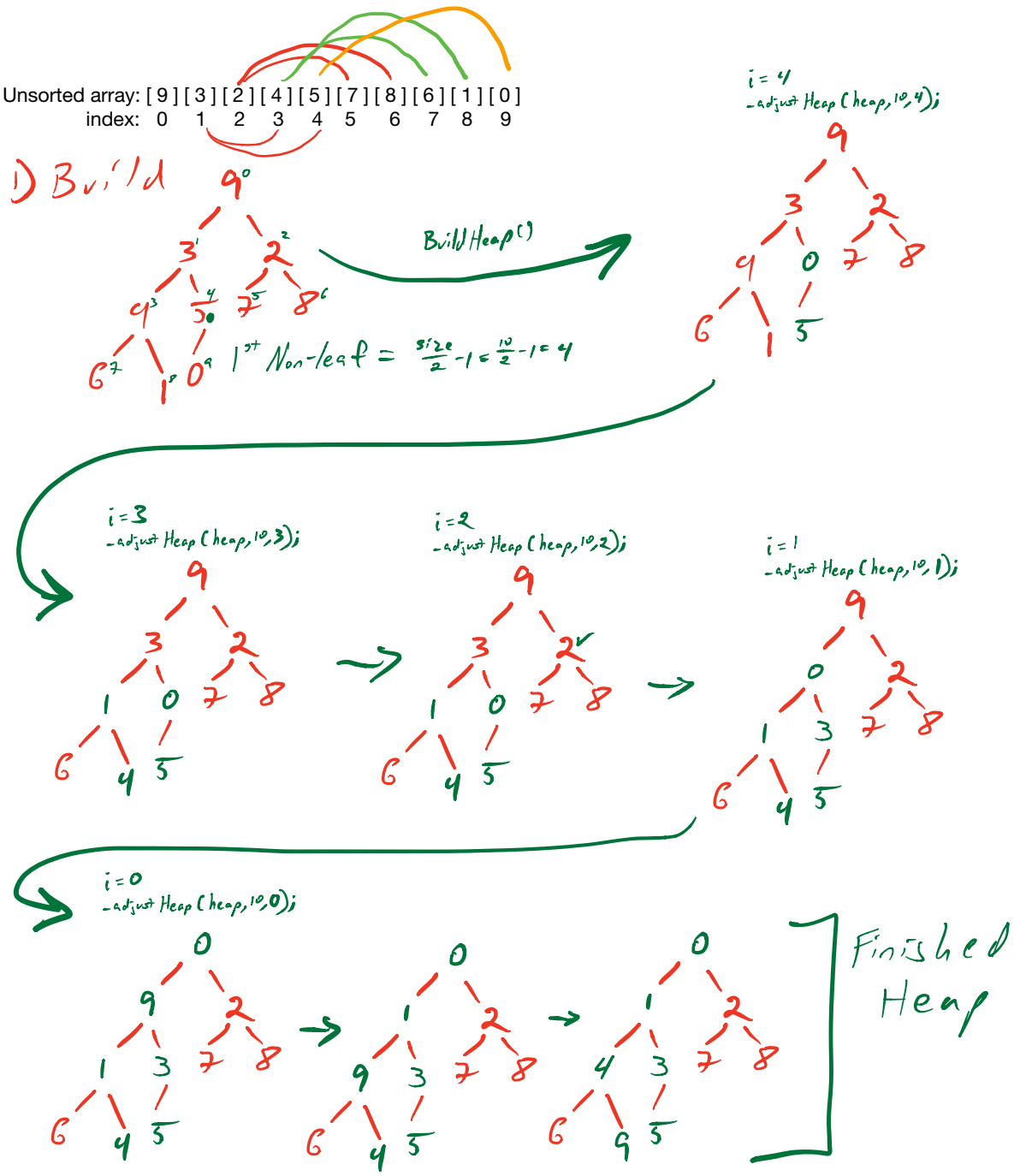
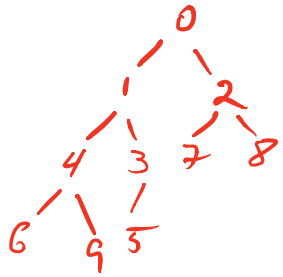
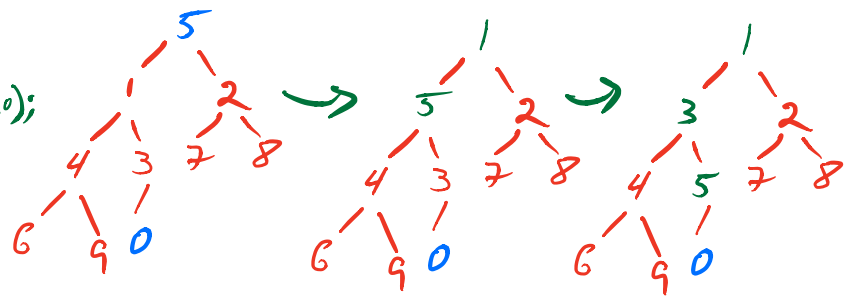
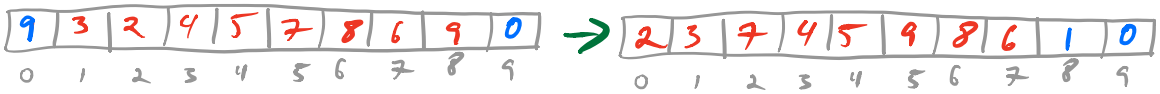

Unsorted array: [9][3][2][4][5][7][8][6][1][0]
index: 0 1 2 3 4 5 6 7 8 9
1) Build
BuildHeap()
1st Non-leaf = size/2 - 1 = 10/2 - 1 = 4
i = 4
-adjustHeap(heap, 10, 4);
i = 3
-adjustHeap(heap, 10, 3);
i = 2
-adjustHeap(heap, 10, 2);
i = 1
-adjustHeap(heap, 10, 1);
i = 0
-adjustHeap(heap, 10, 0);
Finished Heap

2) Heap Sort:

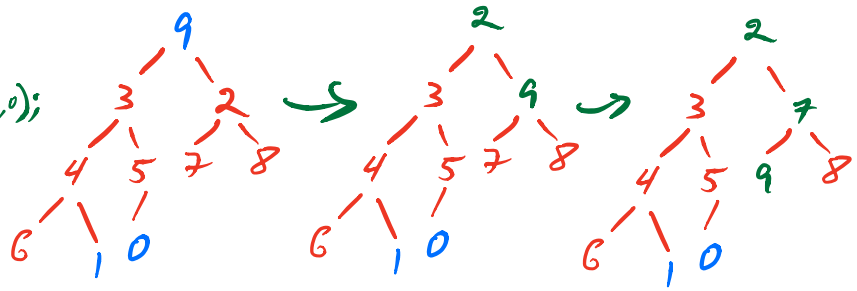


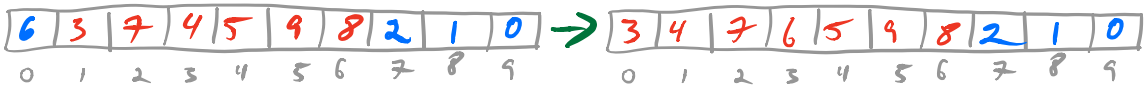
i = 9
Swap(h, 0, i);
- adjustHeap(h, i, 0);



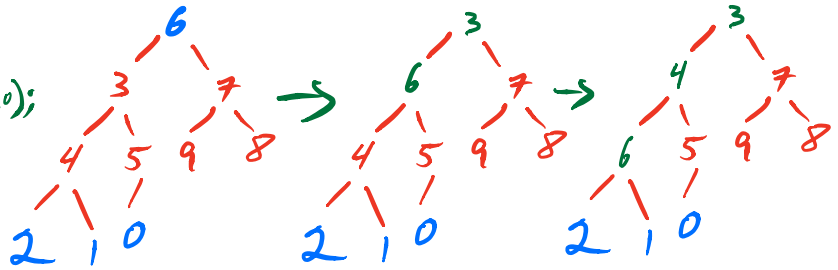


i = 8
Swap(h, 0, i);
- adjustHeap(h, i, 0);

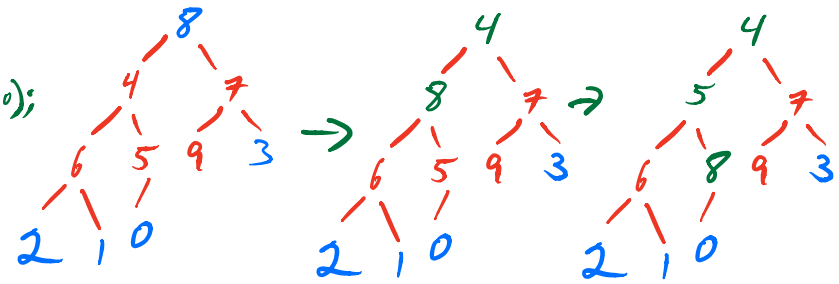




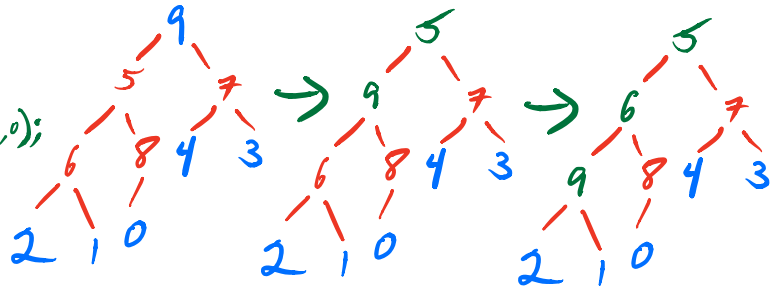
i = 7
Swap(h, 0, i);
- adjustHeap(h, i, 0);



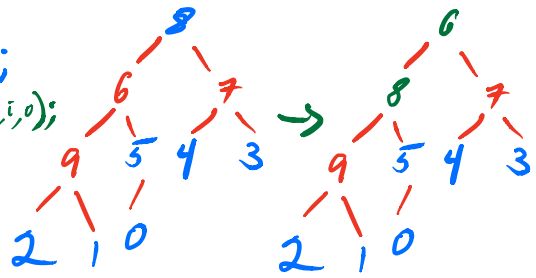
i = 6
Swap(h, 0, i);
adjustHeap(h, i, 0);



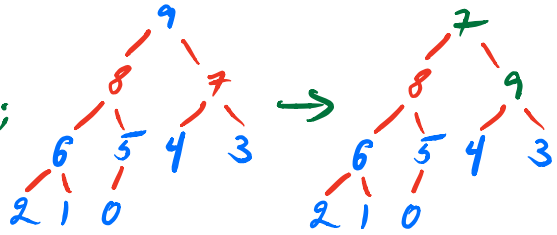
i = 5
Swap(h, 0, i);
adjustHeap(h, i, 0);



i = 4
Swap(h, 0, i);
adjustHeap(h, i, 0);



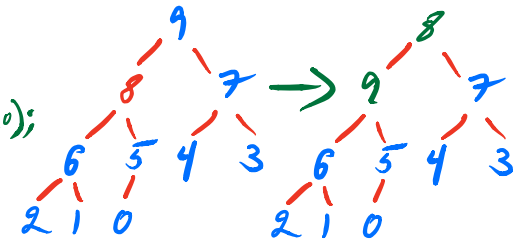
i = 3
Swap(h, 0, i);
adjustHeap(h, i, 0);



i = 2

Swap(h, 0, i);

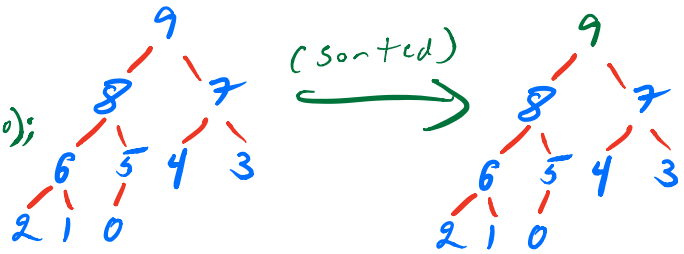
- adjustHeap(h, i, 0);

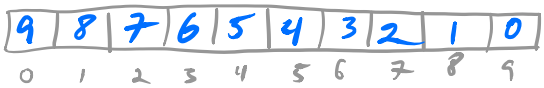


i = 1

Swap(h, 0, i);

- adjustHeap(h, i, 0);





i = 0

Array is Sorted