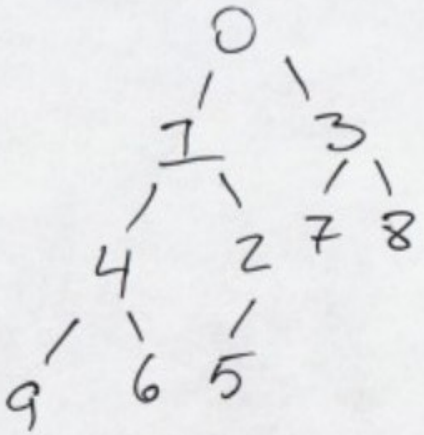
Beginning heap:

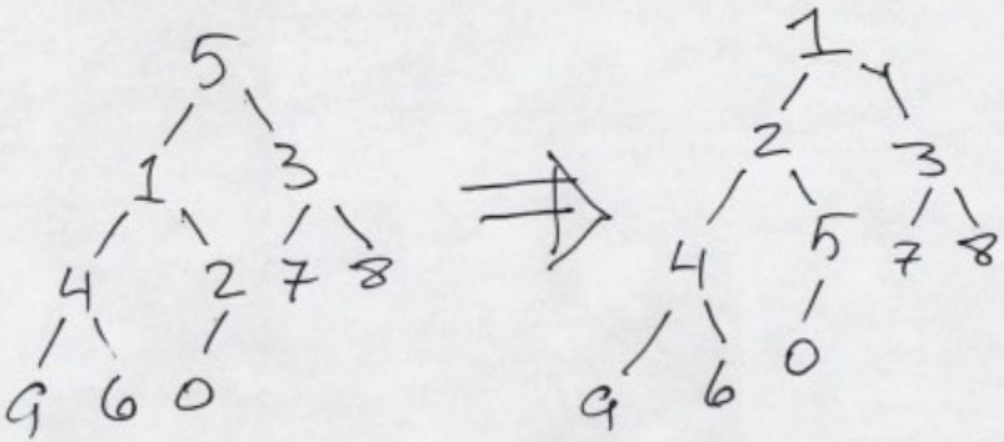


Beginning Vector:

0	1	3	4	2	7	8	9	6	5
i= 0	1	2	3	4	5	6	7	8	9

size = 10

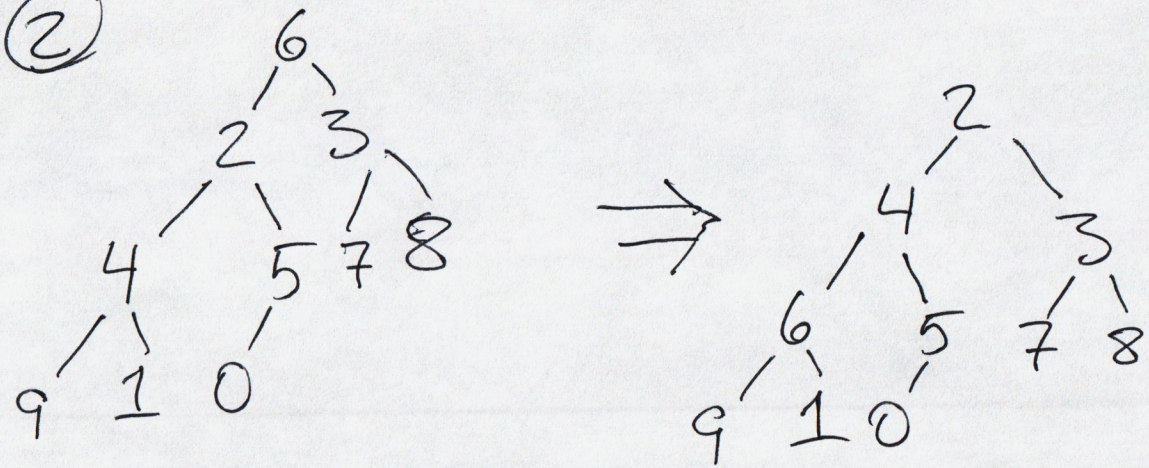
First Adjustment:



1	2	3	4	5	7	8	9	6	0
0	1	2	3	4	5	6	7	8	9

size = 9

②



sorted

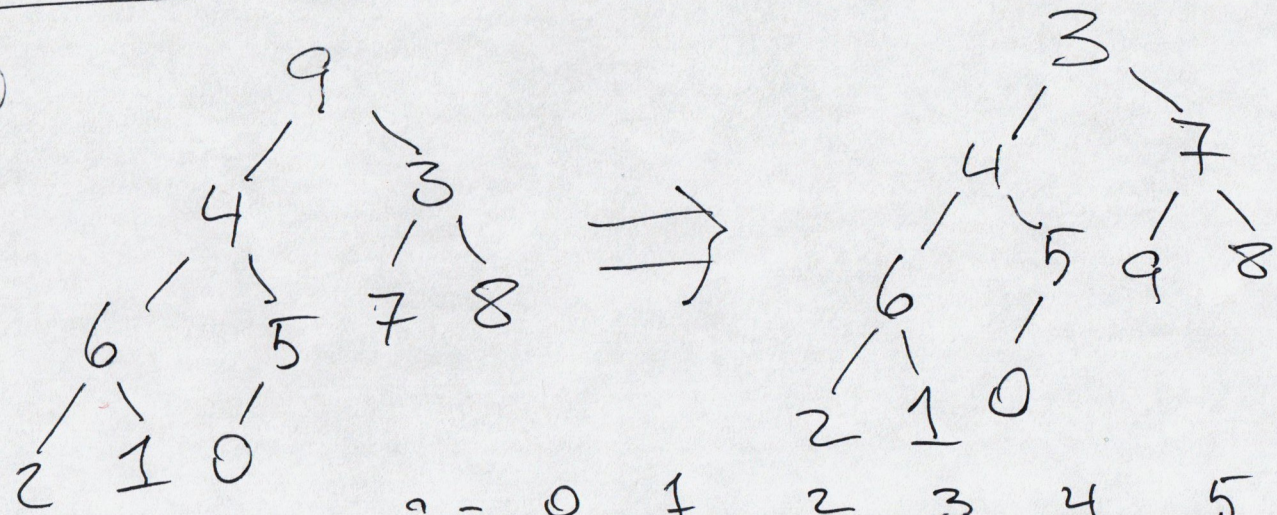
2	4	3	6	5	7	8	9	1	0
0	1	2	3	4	5	6	7	8	9

i =

size = 8

---

③



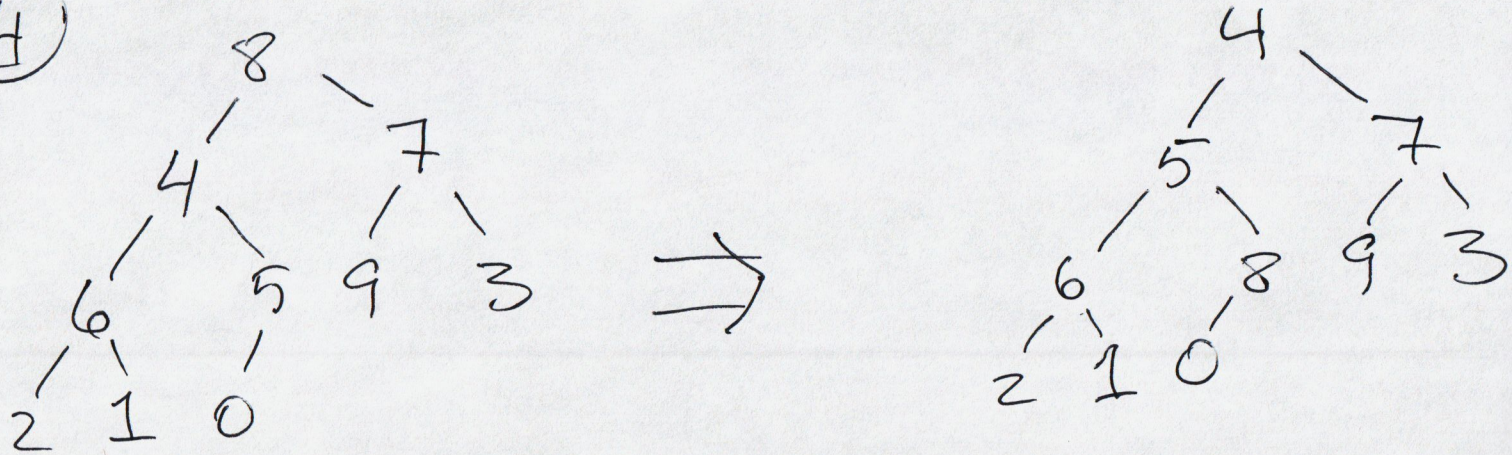
sorted

3	4	7	6	5	9	8	2	1	0
0	1	2	3	4	5	6	7	8	9

i =

size = 7

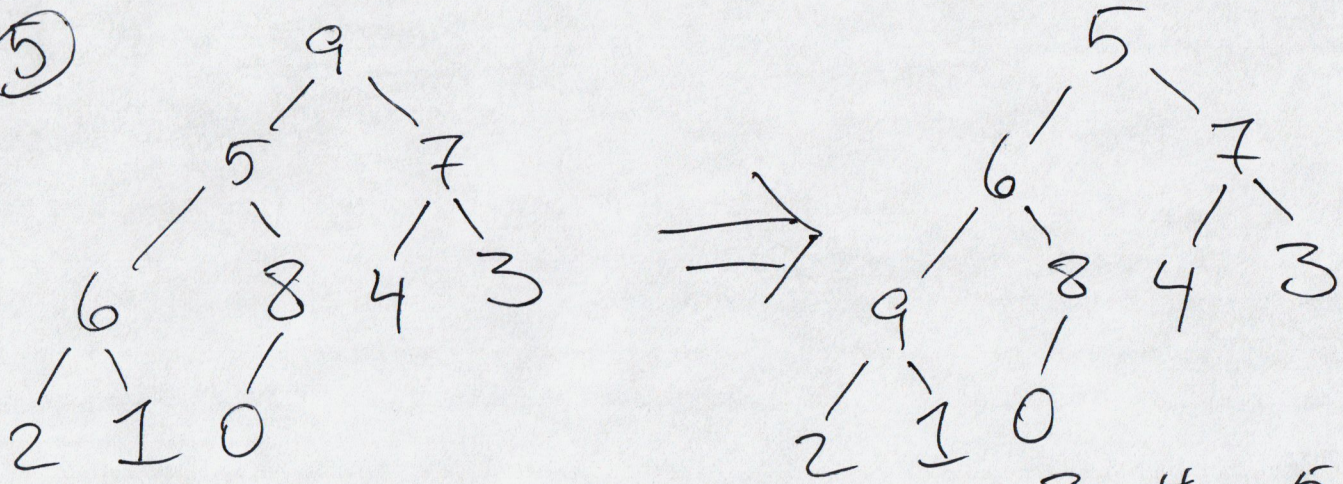
(4)



sorted

size=6	4	5	7	6	8	9	3	2	1	0
i=	0	1	2	3	4	5	6	7	8	9

(5)



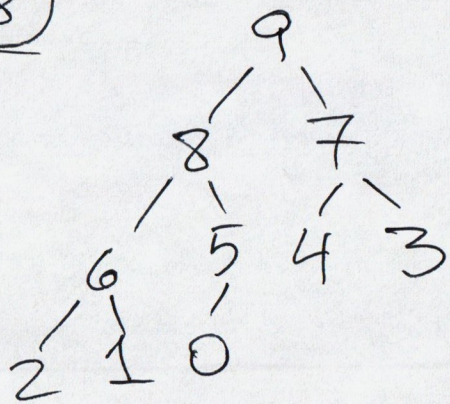
sorted

i=	0	1	2	3	4	5	6	7	8	9
size=5	5	6	7	9	8	4	3	2	1	0

7
i = 0
size = 3
0 1 2 3 4 5 6 7 8 9
7 8 6 5 4 3 2 1 0
Sorted

6
i = 0
size = 4
0 1 2 3 4 5 6 7 8 9
6 8 7 5 4 3 2 1 0
Sorted

8



$\Rightarrow$ Array is Sorted

9	8	7	6	5	4	3	2	1	0