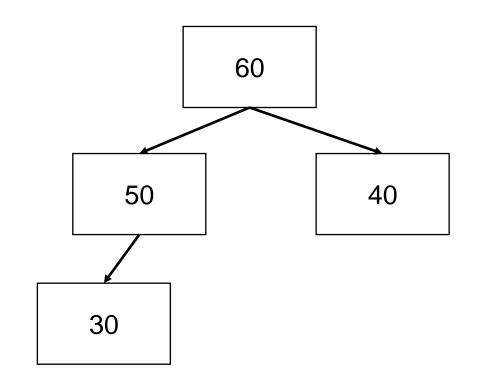
## $\bullet$ Given node i, we can find:

- $\bullet$  Parent(i) =  $\lfloor (i-1)/2 \rfloor$
- ♦ Left(i) = 2 i + 1
- $\Rightarrow$  Right(i) = 2 i + 2

$$A[Parent(i)] \ge A[i]$$

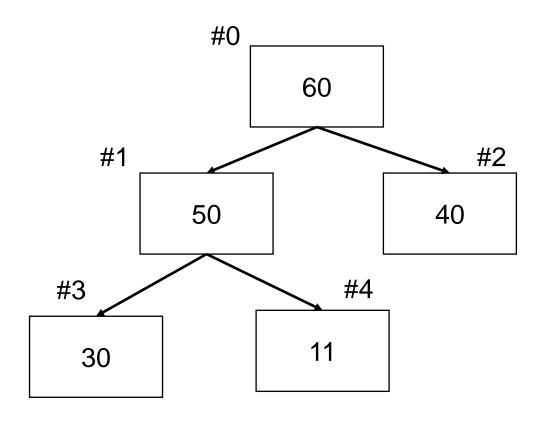
## Insertion:

From left to the right, from top to down



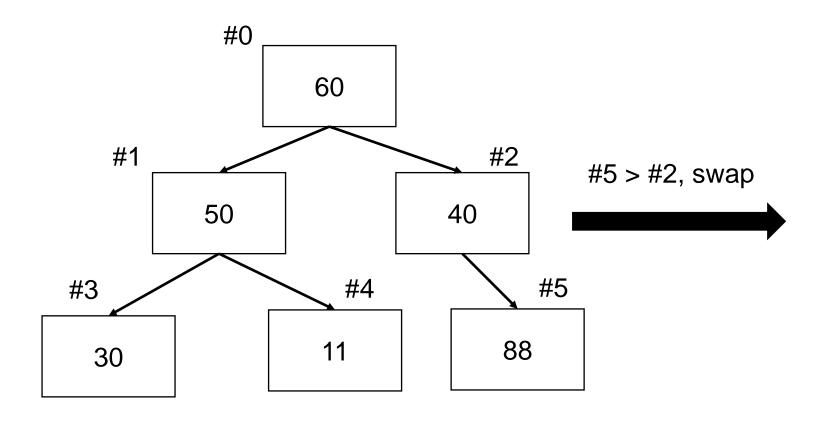
To insert: 11, 88, 22, 77

	0	1	2	3	4	5	6	7
Н	60	50	40	30	ı	_	-	-



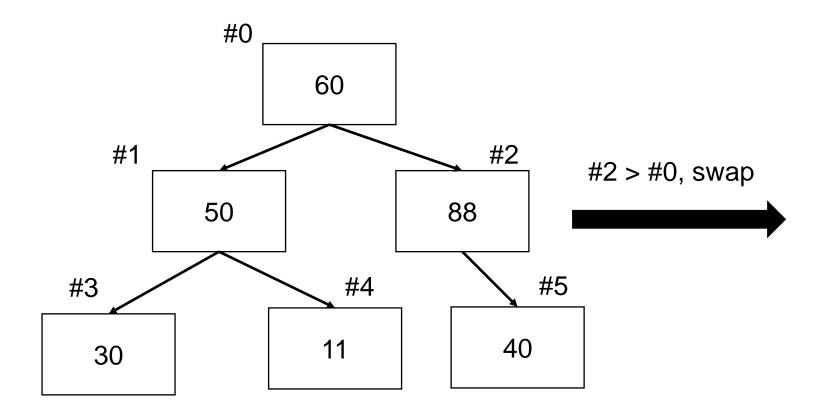
To insert: 88, 22, 77

	0	1	2	3	4	5	6	7
Н	60	50	40	30	11	-	ı	-



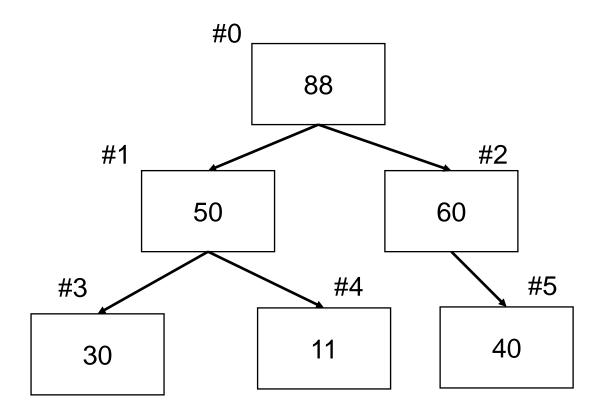
To insert: 22, 77

	0	1	2	3	4	5	6	7
Н	60	50	40	30	11	88	_	_



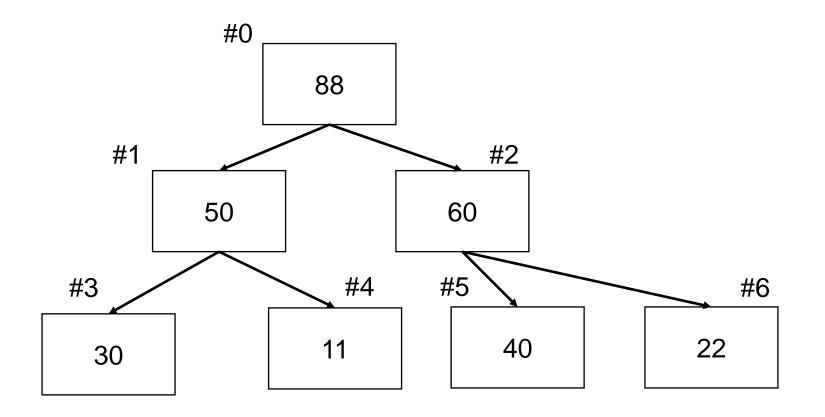
To insert: 22, 77

	0	1	2	3	4	5	6	7
Н	60	50	88	30	11	40	_	<u>-</u>



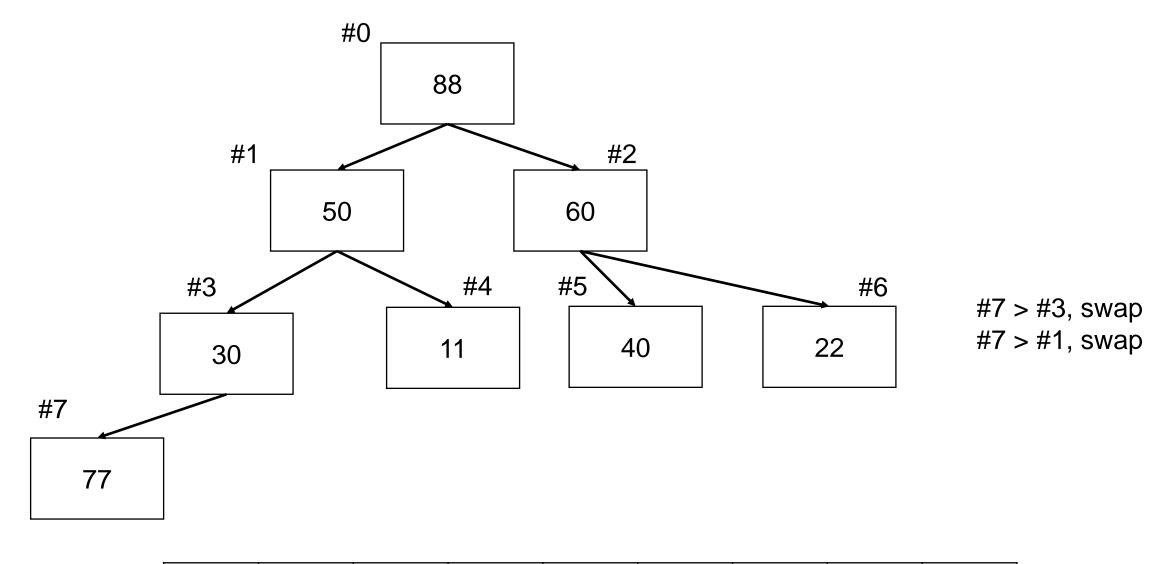
To insert: 22, 77

	0	1	2	3	4	5	6	7
Н	88	50	60	30	11	40	ı	-

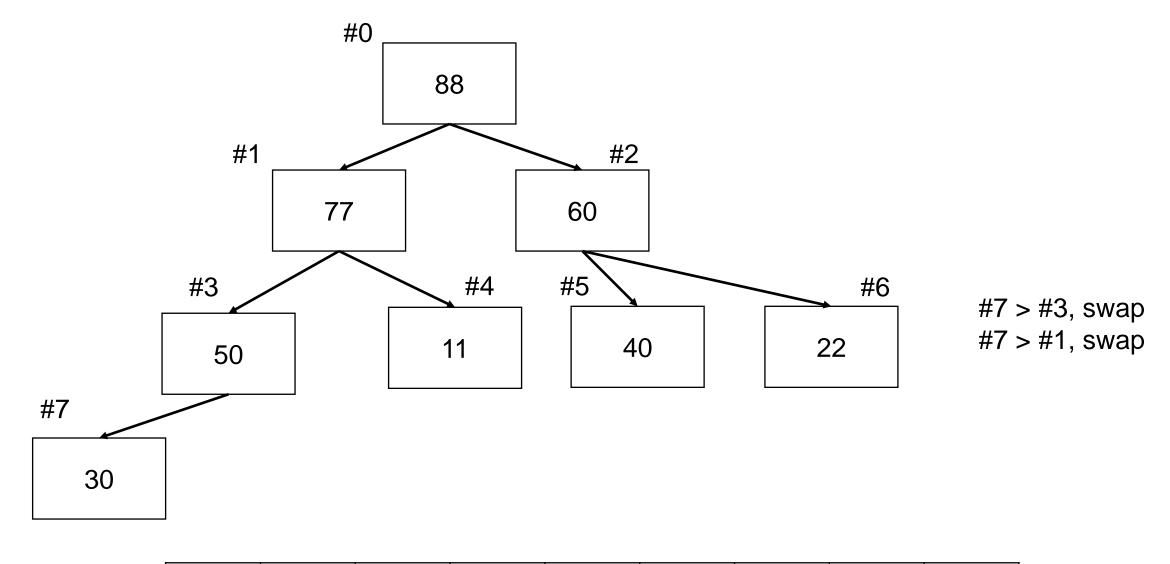


To insert: 77

	0	1	2	3	4	5	6	7
Н	88	50	60	30	11	40	22	ı



	0	1	2	3	4	5	6	7
Н	88	50	60	30	11	40	22	77



	0	1	2	3	4	5	6	7
Н	88	77	60	50	11	40	22	30