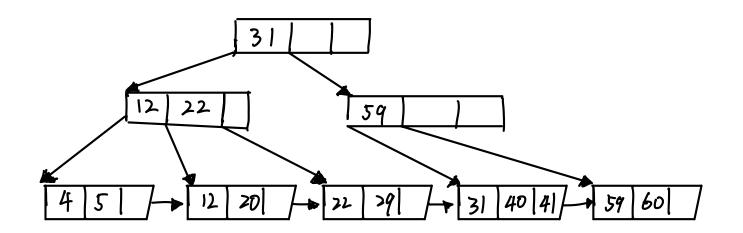
l, n=4

For internal node: # of children: $\frac{n}{2} = 2 \le \#$ of children $\le n = 4$ For leaf node: # of value: $\frac{n-1}{2} = 2 \le \#$ of value $\le n-1 = 3$

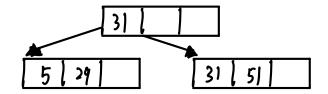


1. 1 insert 5

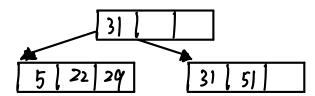
(2) insert 51

3 insert 31

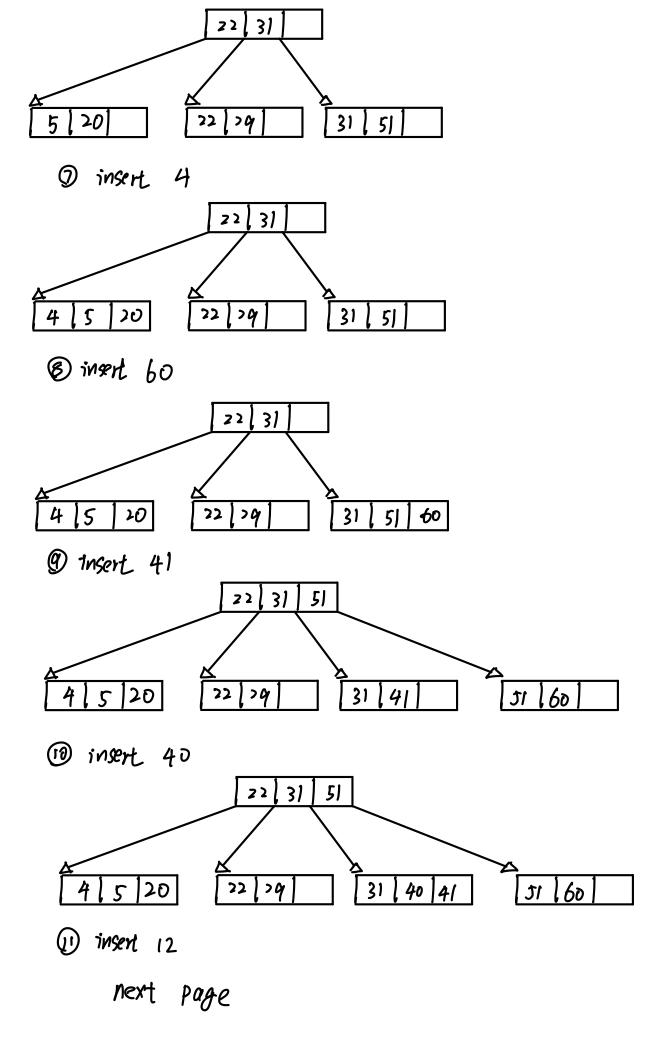
4 insert 29

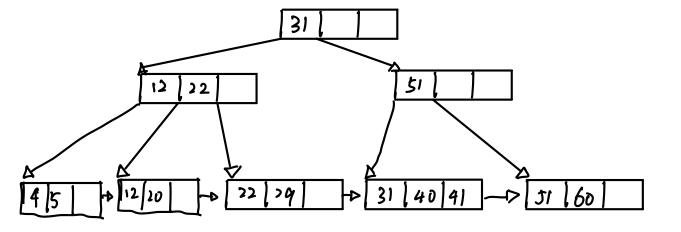


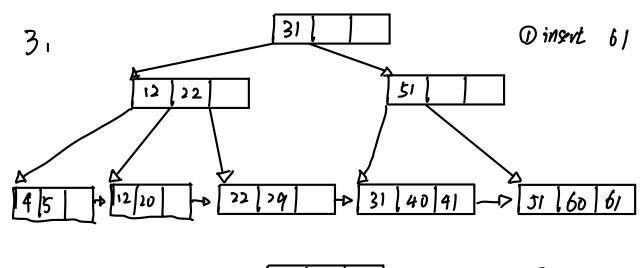
(1) ingert 22

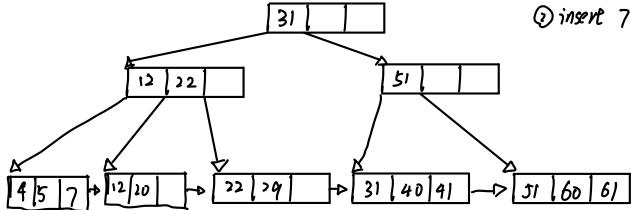


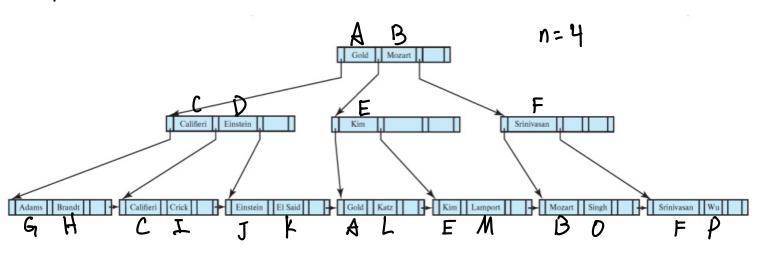
6) insert 20











After remove Gold in leaf node, we merge kate to the left sibility => [Elinstein | El Said | Kate]

Then we also merge kim in the internal node to its sibility => [Callifleri | Einstein | Kim]

Lostly, remove Gold in the voot => [Mozan]

Use letter to represent the thee, below is the final starte

