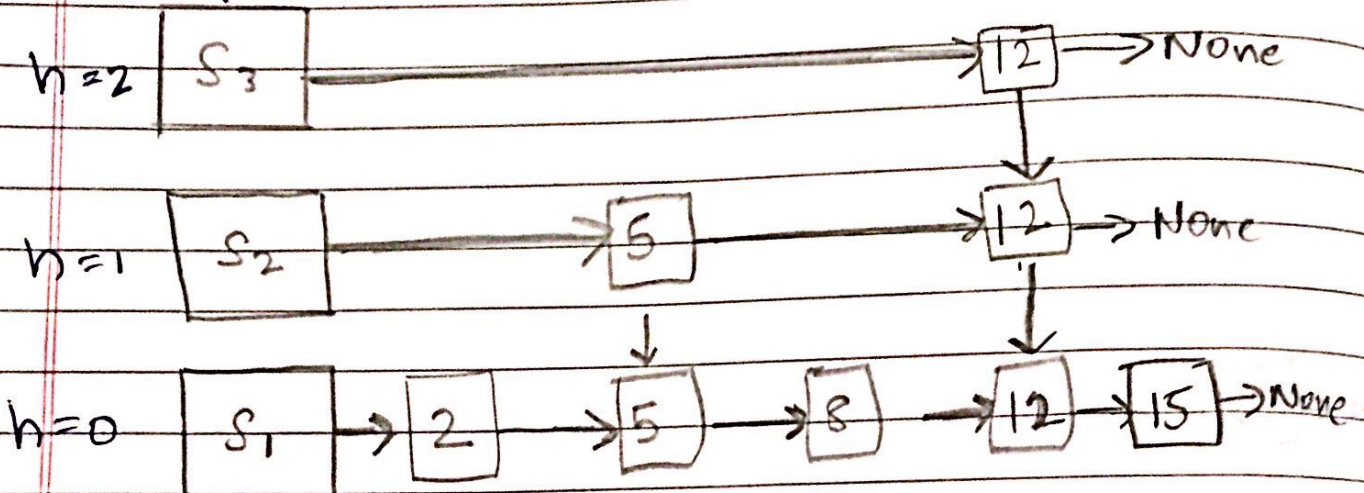


Skip List

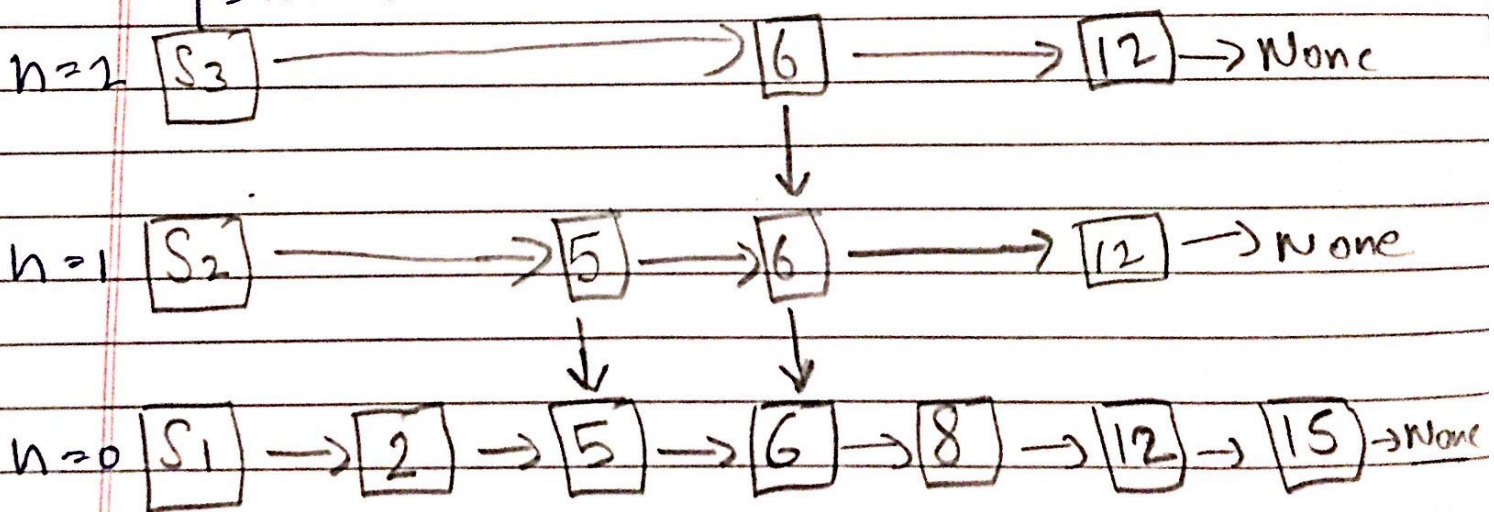
- There are ~~are~~ levels to a given skip list, these levels are used to make the traversal faster
- It reduces time complexity from $O(n)$ to $O(\log n)$

→ head



- Now we will insert a node with value = 6 at 2nd Level [$h=2$]

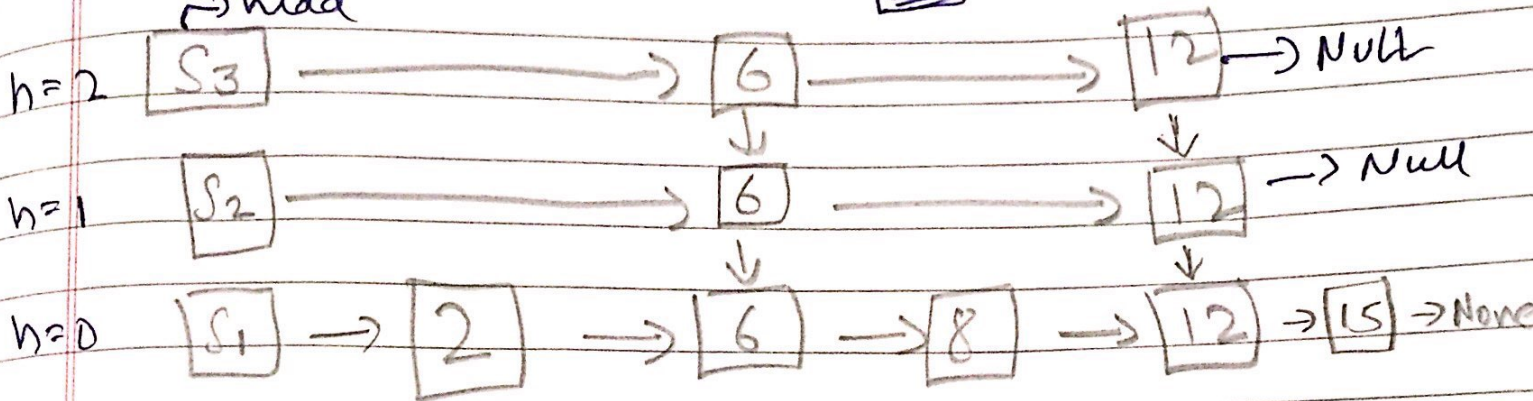
→ head



Skip list deletion

We will delete the node 5

→ head



→ If an element is removed we will have to remove the element from all the levels available