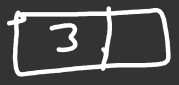
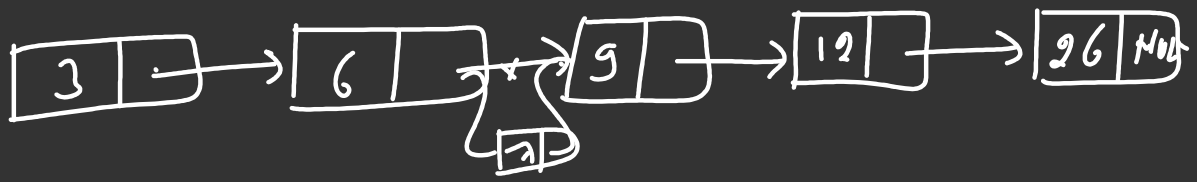
Date
07/02/23

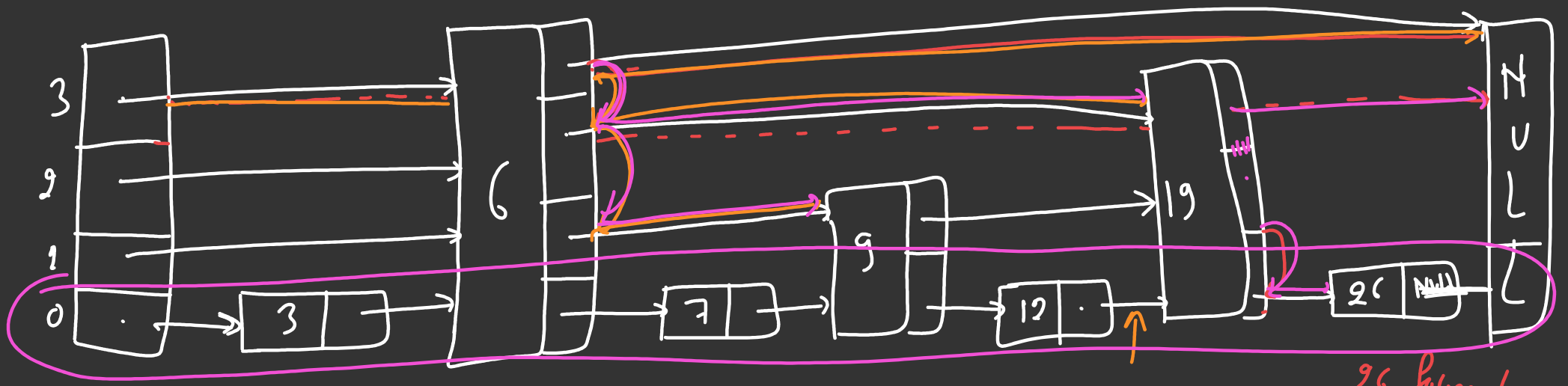
# § Data Structures §

## § Heap data Structures ::

today → Skip lists :: Skip list is probabilistic data structure that is build subsequent of layers of linked list upon the original linked list.






Search 26

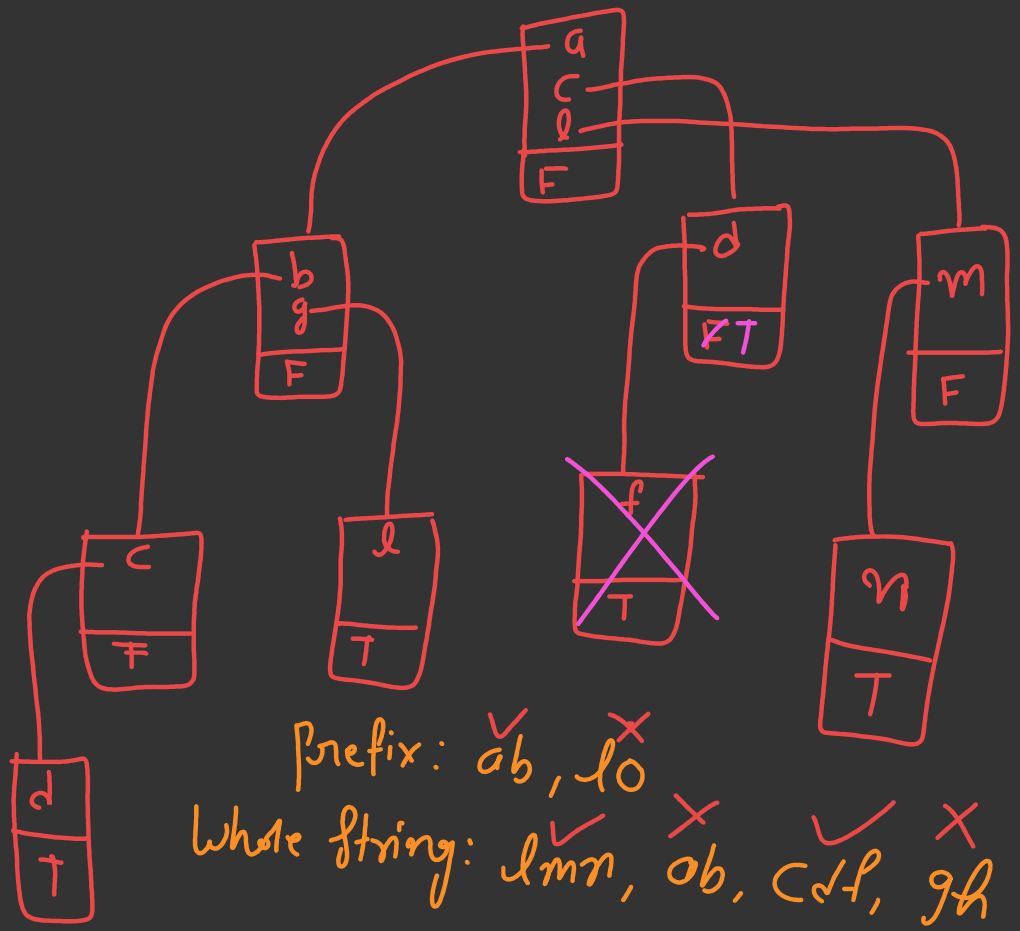
Search 9

26 ↩ 6

$n + n/2 + n/4 + n/8 + \cdots = O(n)$

26 found.

§ Trie Data Structure : Tree based data structures.




Trie Node.

{

Map <Character, Trie Node> Children;

boolean EndOfWord.

}

No. of words.

$n = 5$

avg length of words $m = 4$

- abc
- abgl
- cdf
- abcd
- lmn