BHULHTH GAGAN
1 BMISCS 024
30 09 2020
BATEN - A2

ADS LAB-3

Shop rist:

Deciding Level => level =1

while random () < P let Level < n

level += 1

return level.

D= max no. of levels

Nodes 12 141 Pointers

Nodes

Insertion -

To (1=16 + header

for (1=16 + header

while (2 + forward [0] + key) forward [0]

update [0] = 2

n = 2 + forward [0]

[evel = de idelevel()

for (1 = 16 + + level)

update [0] = 16 + + level)

update [0] = 16 + + level

n = rode (1 evel , searchkey, value)

for (i=0; 12 level; i++)

n = forward [0] = 10 + update [0] + toward [0

abdate (3) - forward [3] = x

BHOIMIN (BM18402 4 30/09/2020

Deleter:

2 = 18st - sheader

for (12151 → level; 120, -- 1)

while (x inforward [:] - Key] forward [i]
update [:]=x

2= 2 4 forward COJ

if n = key = scorce ther

for "=0: 12 131 > level

If lupdate (i) + forward (i) = > break;

Globate C?] & famard C3] = x > famard C?]

free (x)

while (151 -> level so It 151 -> header

Latimard Listalui)

List -slevel = list -> level -1

Search :

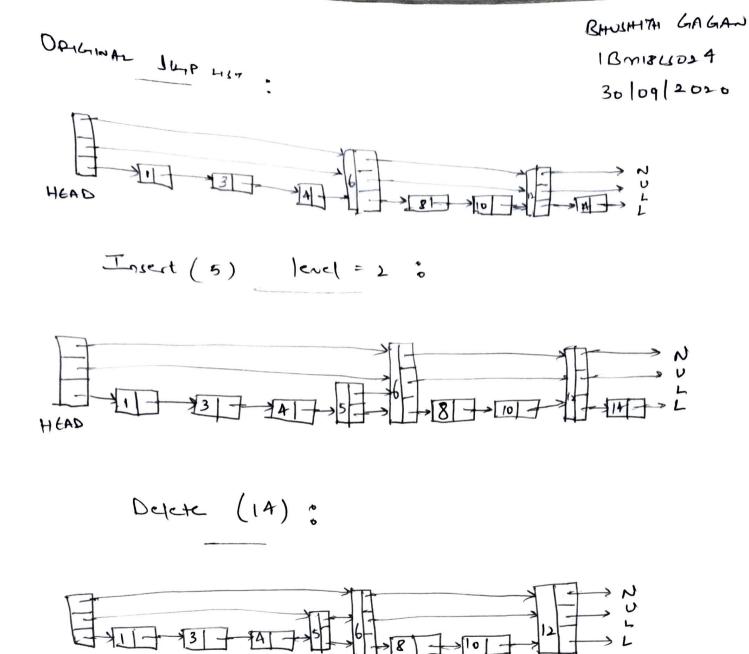
x = 131 + header

while (x > forward [0] tey) forward [o]

if (m > key = kearch key) return no value

else return false (or -999)

SIMP LIST DIAGRAM:



HEAD