Linked list intersect

List A = 41 845 List B = 561845

PA at 4 (List A start)

PB at 5 (11st B start)

moving forward

PA = 4 1 8 4 5 null Jumping to List B (head 5)

PB = 5 6 1 8 4 5 null Jumping to List A (head 4)

After switchingt

PA (SISTE) 561845 PB (SISTA) 41845

PA traveled -> list A of list B.

PB traveled -> list B + list A.

Sist A = a

Sist B = b

Thereechon = C

PA travels = a+c+b+c a+b+2c

Pb travels = b+c+a+c a+b+2c

$$1-2-3-4-5-6$$
 $1-8-9-10$
 $1-12$

Stack CIJ

Pesult -> emply

Dout Stack [2] Pesult = [1 72]

@ out.

Stack [3]

Pesult = [1 -> 2 -> 3]

Stack [4,7] -> child goes in Stack [4,7] -> child goes in Bisst

Flout

Stack [4,8]

Pesult = [1 -2 -> 3 -7 7 -> 8]

Bout grack [4, 9,11] child grack [4, 9,11] child goes in peault. = [1 > 2 > 3 > 7 -> 8 -> 11]

(i) Cout)

Stack [4,9,12]

Pesult = [1 -> 2 -> 3 -> 7 -> 8 -> 11 -> 12]

No next /nocwid

linking back .

(12) 'out Stack = [4,9]

fesult =[1→2→3→7→8→11→12] Jame

grack = [4,10]

Stack = [4,10]

Spesult = [1 \rightarrow 2 \rightarrow 3 \rightarrow 7 - 78 -> 11

\rightarrow 12 \rightarrow 9

\rightarrow 10

no next Inochild

Stack = [43]

Stack = [43]

Pesult = [1 > 2 > 3 > 7 -> 8 > 11

>12 > 9 > 10 > 4]

(A) out Stack = [5] Pesult: [7→2→3→7→8→11 →12→9→10→4→5]

Shaer = [5,6]

Perult:

17273777871101279 ->10->4-75

[123041011]

Step 0

empty skiplist

SERPEST = & y

Step @

skiplist. add (1)

skepust = { 13

output = s null (add x)

37403

skipust.add (2)

81chpust = {1,29

output = null,

Step-6

spapest add (3)

skipust = {1,2,33

output = nell

grapust, search (0) 2 crecks.

30 = £1,2,39

output = false

Step-6

sciplist, add (4)

Dl = {1,2,3,43

output = null

BIEP-1

snipust search (1)

1 is present

olp = True.

grep -8

scripust . erase (0)

o a NOT present.

olp = false.

3 Kipust erate (1)

SICPLIST = & 2,3,43

olp = true.

step-10

grapust. search (1)

notfound

Olp = false

stiplist cont.

[30,40,50,60,70,90]

skiplist. => contains various levels.

level=3 30 60 90.

Level 2 80 50 70. 90

Level -1 30 40 50 60 70 90.

want to add 850 and 45

Adding 80 => 800ted array.

level-3 30 ____ 60 __ 90. Level-2 30 ___ 50 __ 80 __ 90

Level -1 30 40 50 60 70 80 90.

After insertion

[30,40,50,60,70,80,90]