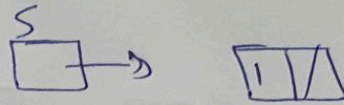
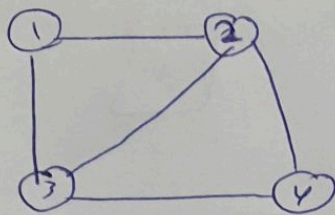


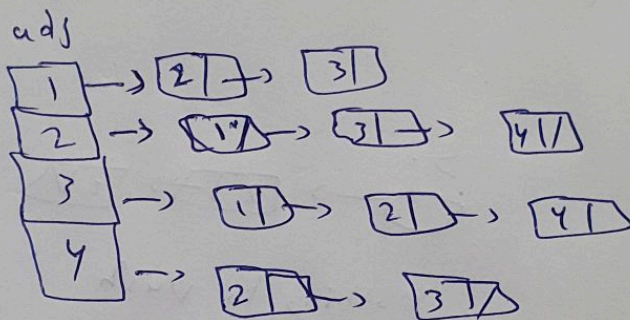
المسألة: رسم زيارته بالعمق

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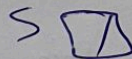
visited

1	f
2	f
3	f
4	f



top = 1

pop(1)

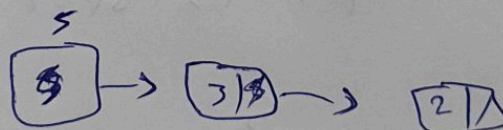


output(1)

visited

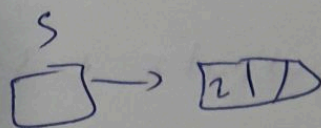
T
f
f
f

push(2,3)



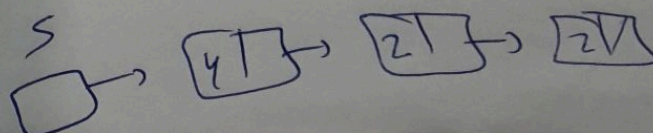
pop(S-top) top=3

output 1-3

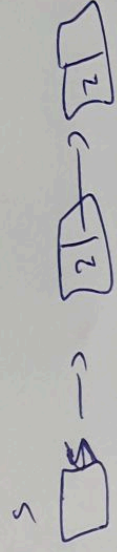
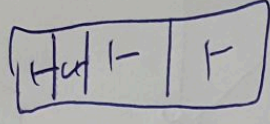


push(2,4)

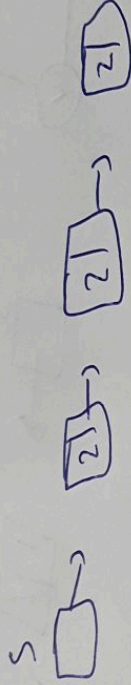
T
f
T
f



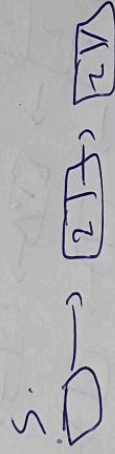
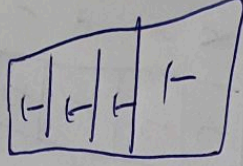
pop(s, top) top = 4 output = 1, 3, 4



Push(2)



pop(s, top) top = 2 output = 1, 3, 4, 2



nothing to push

pop(s, top) top = 2



nothing to push

pop(s, top), top = 2

S



nothing to do stop

output = 1, 3, 4, 2