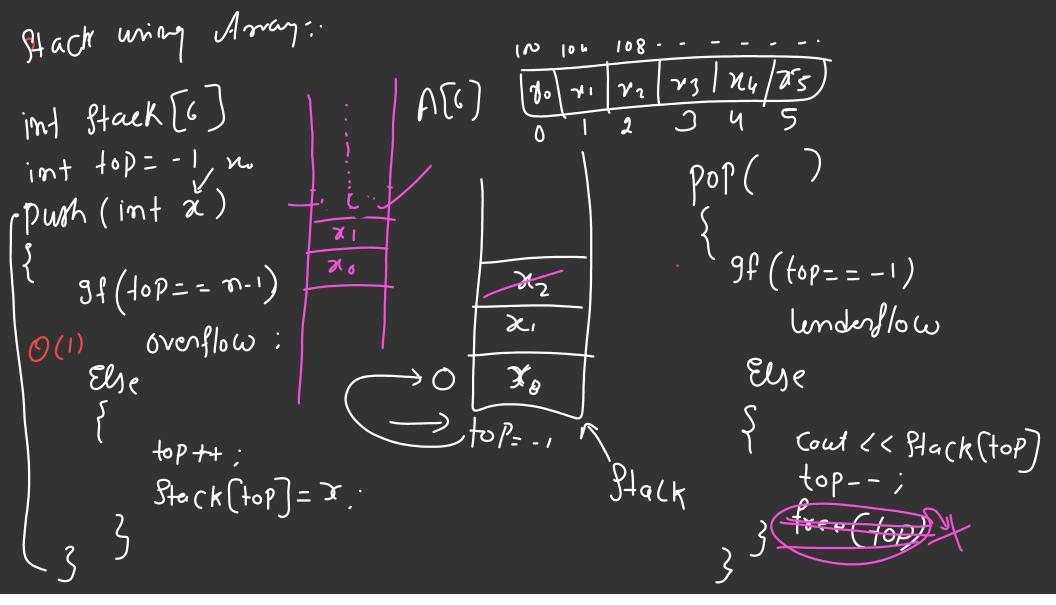
Lost Class: linked lists. Stock: Data Structure Which follows LIFO Tower of Amai, Pet of Gliection of Platos. Last In first out. 5×f(4) nerver 1 いせいか かりん(アー1)

Why Stack is ADT: The following operations make stack as ADT. Applications of Hack. Push (Int). por(); - Revene a String Other operations: -> Bluncing the Symbols.  $a + b \times c$ Compty/Full -> Infix to Postfix

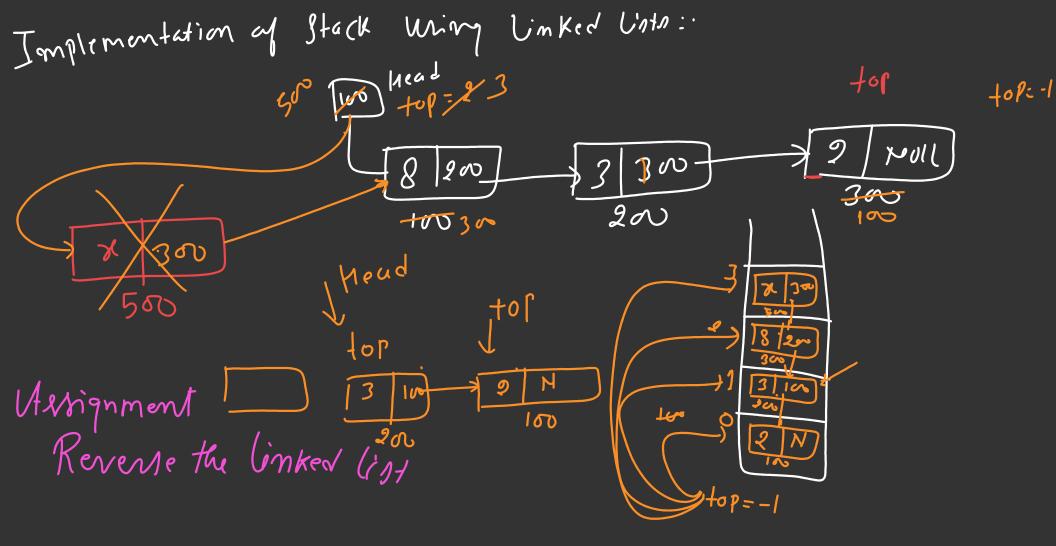
3 Implementation: J Aroay 11) linked lists Stock [5] 24 Push (Xo) Push (x1) 0(n) push (X2) (n) Pop() POP()

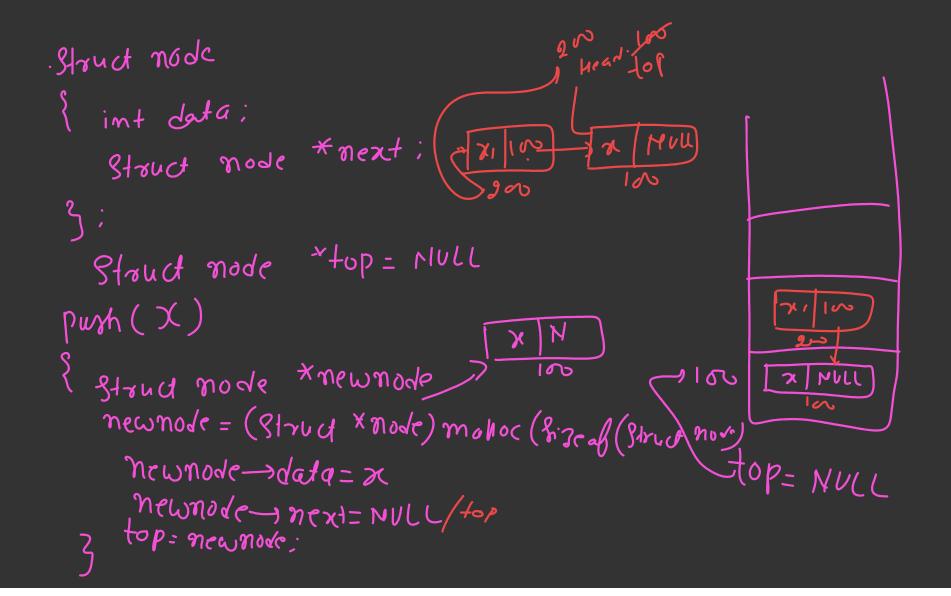


Peek() { 5f (top==-1) g(1) underflow; Else Stack [top] Display ( { inti; D(n) for (i=10P; i≥0; i--)

Pf (ftack[i];

Stock	Urray
Ø(1)	$\theta(1)/\theta(n)$
0(1)	0(1)/0(n)
911)	9(1)
0(1)	O(1)
(g(n)	Q(n)
	Ø(1) Ø(1) Ø(1)





```
pop (
   9f (top = = NULL)
underflow
    Else
           temp= top;
            top= top- next;
              fore (temp)
```

Test = 5 monks.