Stack and Queues

Important Questions

- (1) Reverse a Stack
- (3)
- (5) Stock span problem
- (4) Balanced Parethosis

Array

- 1) Size fix
- (ii) Accessing o(1)
- 11) Travelle _7
- iv Insertion O(n)

0 1 16 12 15 0 10 12 15 1 16 12 15 Ang And -> 0(n)

Linked list

- (i) flemible size
- (i) Accessing o(n)
- (III) Tonversal ->
- (iv) Insation O(n)

1 -1 2 -3 -3 -3 4

and bas -1 0(2)

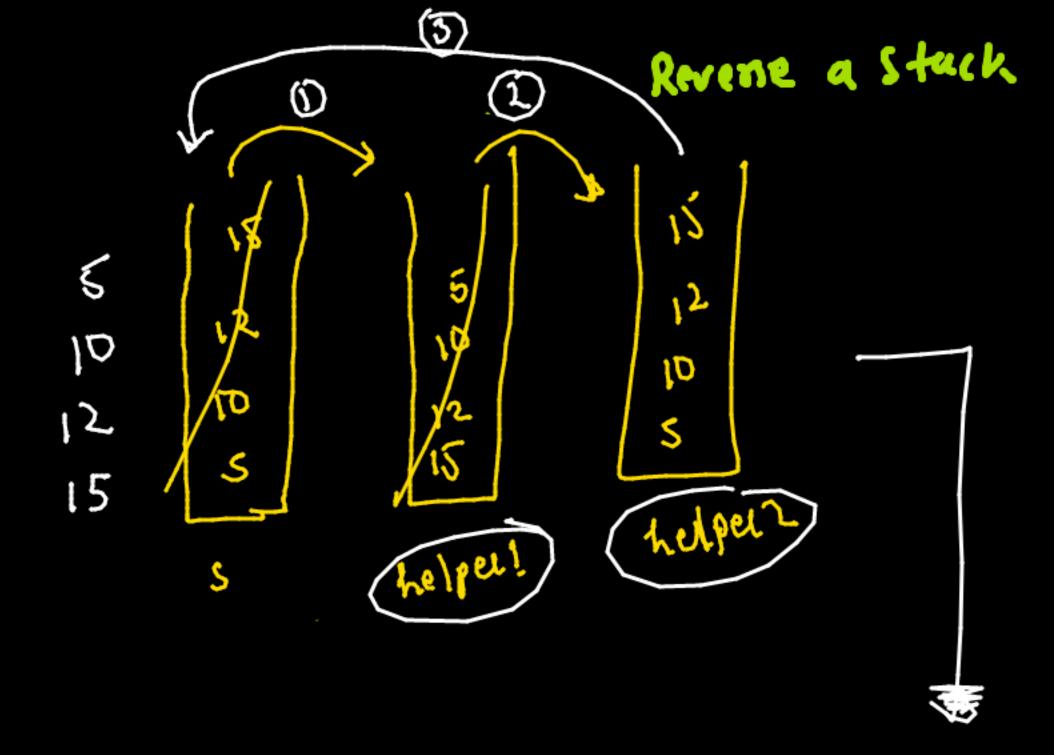
(m) -1 0(2)

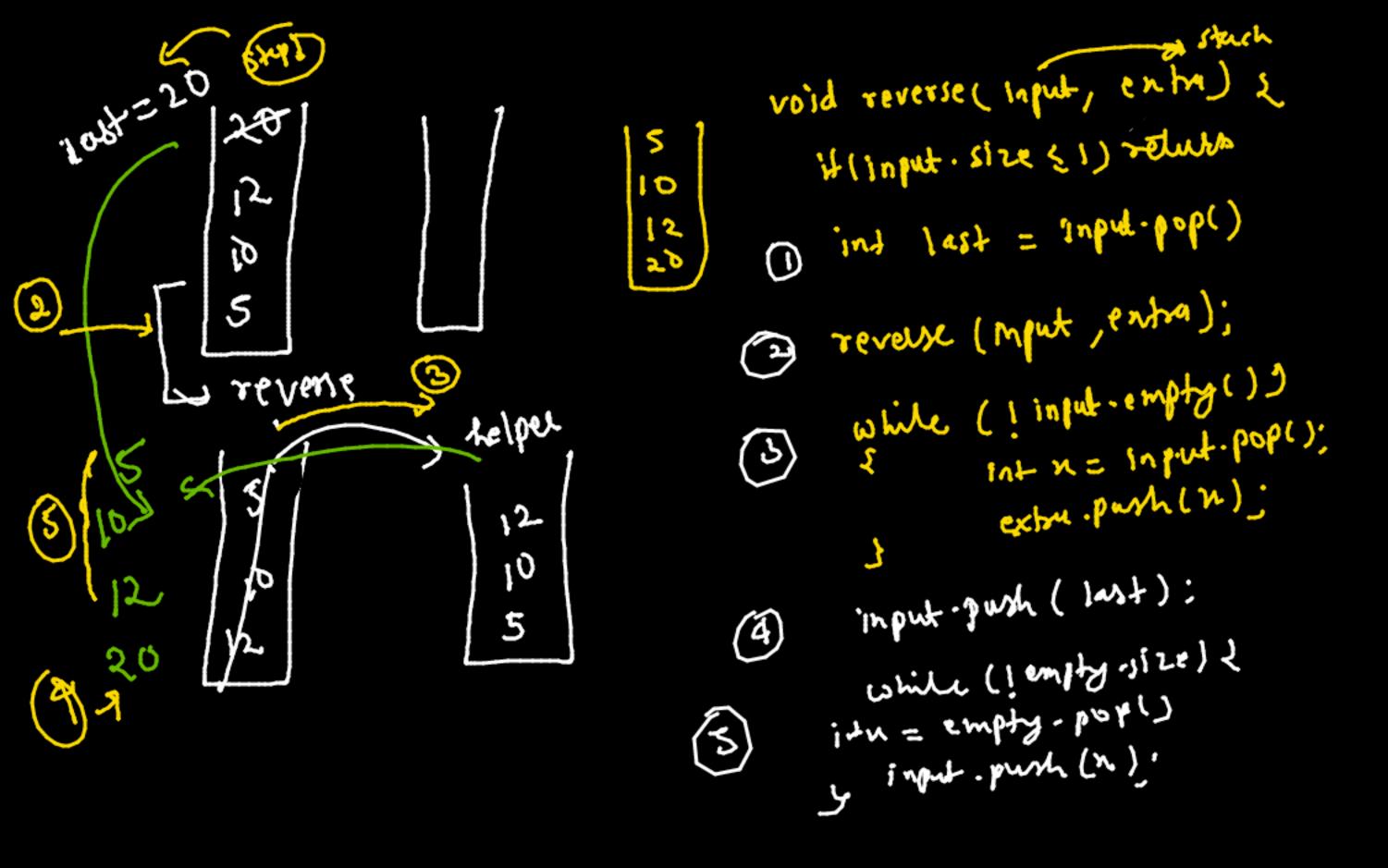
OH bas -2 0(1)

STACK La abstract data type Cspecific order me dels insertsets LIFO last on first out Kma Lota Lai) g. pmy (10) () push() (50) 200 200 1100 (1)pop() (05) (11) WEMPHY () 1130 pop bob 1/50 (N) top() pop 1110 (V) size()

Template template (type name T) class fail ? Paid Sint 7 PL; (12/ Buts bod poor (due) c/

templote (type nome T, topbte V) class pair & TN Poil (int, string) pl; pail lint, checy pr; por (cha, sting) p3;





fuls())

 $(((())) \rightarrow fue$ $(((())) \rightarrow fue$

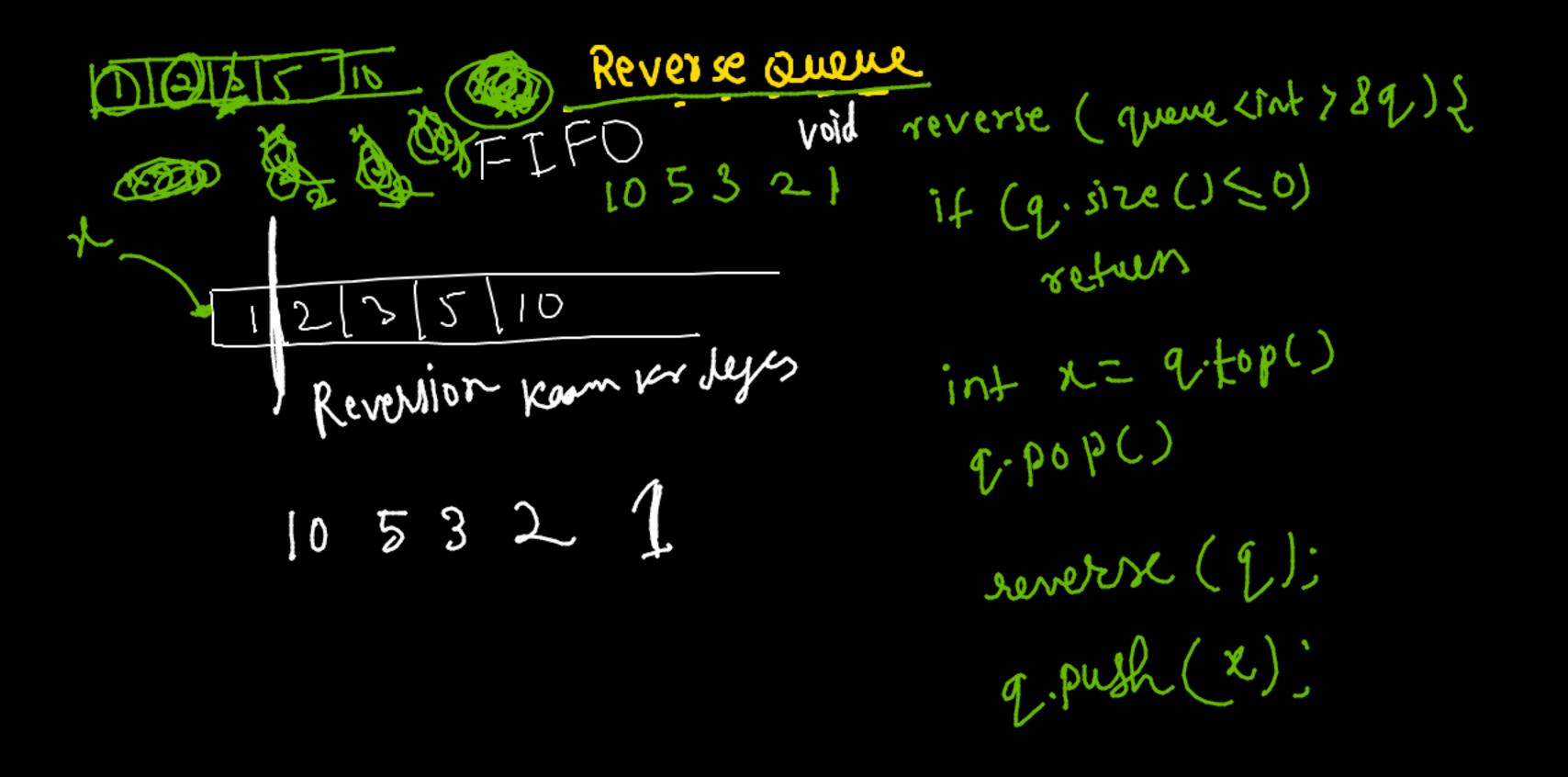
if (c.empty ())
return true
return fulsc;

Balanced Parenthesis

bool balanced (string s) { stack (char) (; for (inti=o; il s-sizeu; i++){ if (c-empty () 4 x s [i] == 1)') return false; elseif (SCi) == '(') { c. pmh ('c'); else if (sci) ==')'){ 2 E-(c-tob () == ,(,) elle cibamp (, c. hob c):

Redundant (atb) at(b)tc me ch & b (atb) tc > fall (C+h)

Bracket



Maxim Bracket Reversal

Stock Span Problem