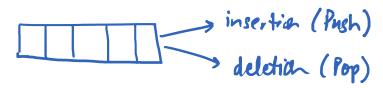
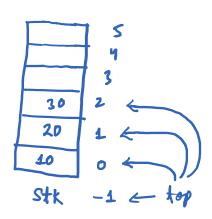
Stack:-

linear Data Structure where both insertion I deletion are performed at the same end.



used to climinate

top



Push (2)

if (top = = N-1)

print " Start is full. Over flow"

exist

StK[++top] = 2;

Pop()

ig(top = = -1)

Print "Stack is apply.

underflow"

n = Stk Trop];

top--;

Toturn 2;

return stk[top--];

Applications: -

Conversion of Notation Standards:
Infix expression - open 1 open open 2

A+B

10,6,x,4,-

Fxparet - ^ , 1 , ** , \$

キャイナナ・ナナセと

Postfix Expression

AB+CD+*EF\$/

Pop & display althe
operators until we
enlower an opening
bracket

Partially Parethesized Expression

A +B \$ (C-D * F) \$ F

4 7 1

If current ptv as having higher precedence than Stk ptv then push cle lop till current ptv is not have

Precedence List

4 Granet

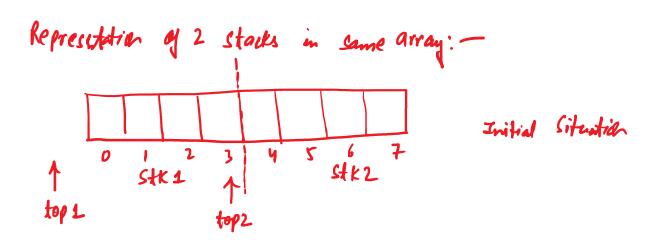
*,/

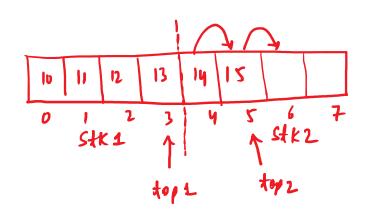
A+B+C +,-

$$((A+B)*(-D)) \xrightarrow{\text{Revorse it}})) D-C(*)B+A((\underbrace{\frac{j}{j}}_{j} \underbrace{4}_{vire-viola}))$$

$$\uparrow (anvest to a second or second o$$

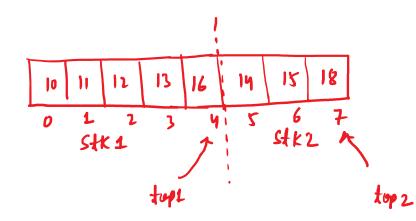
5) Postfix to Prefix





Push (stk 1, 16)

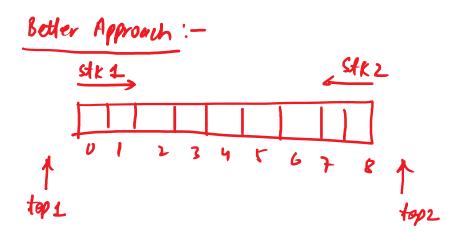
Local Overflow

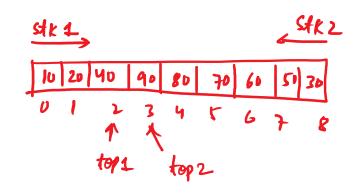


Push (str2, 18)

Push (str1, 19)

Global Overflow





fush (stx1,10)

Push (stx 1, 20)

Push (stx2, 30)

Push (stx 1, 40)

Push (stx 2, 50)

id / toot -- toot / hi

Rul Lilia M.

if (top1 == top2 -1) Push (stk2,80)

"Global Overflow" Push (stk2,90)

Push (stk2,60)

Push (stk2,70)

Push (stk2,70)

n-stacks are to be stored in same array
Re-packaging algorithm top 1 base pointers

