Stack ADT

What is a ADT?

ADT = Abstract Outa Type

Discription of a sixt and the operations that can be performed on that set without any information Pritaining to the construction that allows for its existence.

Stack ADT

PUSh - puts an Hen onto the top of the Stack

POP - takes the top Iten of the stack

top - tell you what Item 15 on the top of the Stack

IS Empty - tells you what Item 15 on the top of the Stack

Stack 15 empty

Asstract Oraning of a Stack

IS Empty ->true

Push (8)

IS Empty -> F

(14)

Push (38)

Push (14)

Stack

Pop (14)

Pop (14)

Stack

Pop (14)

Pop (

LIFO -7 Lost In, Sirsa out
FILO -> Sirsa in, Losa out

& Back tracks



rutrum St3(n-1) + St6 (n-2)

Instruments of metation for reparanting

Optrators are places in between he

EX

5 + 2

Operand

Constant of manager of the

Corrands - and vilves epon which

Suncesians apply then

Postsix

Te of ration - 15 a notation

The of ration - 15 a notation

The of the Madridething for

The preshore

The original of the preshore

The original of the original original of the original of the original original original origina

they knother;

ex Esparano

4x 8+3 \$7

Frailandy a Post SIX Expression

224 # + 2 12 #

Co

10 5 32 + 1 10 5 32 + 1 12 37 + T3 + Sy & A + 7

Per onice

Per o

Evaturing a postsix Expression

1) (real a stack to be b

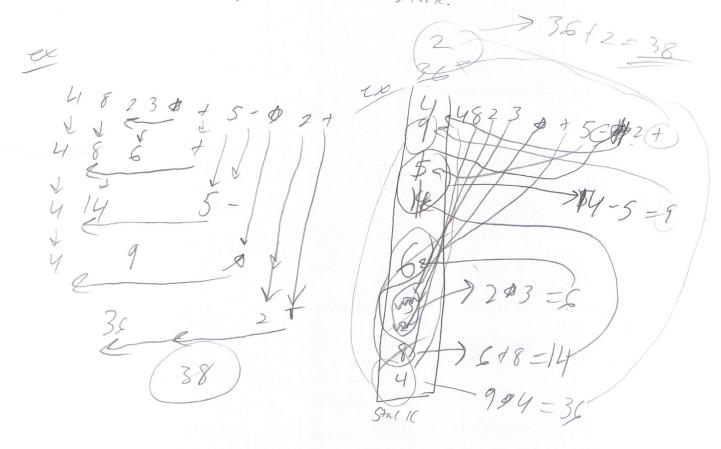
2) and through the explassion
Siem 184 to 1844 each
the you excounter an
Contant; push 12.0040
Per 525CK

Report of the state of the stat

Optration apply he stack take the copyans

(np 338 c) prsh te 8+514 onto the 5+a/c

3) Pu 1786 1 15 he only Valve on the Stack.



> 2+(3++5+3) 2+(4+4+4)