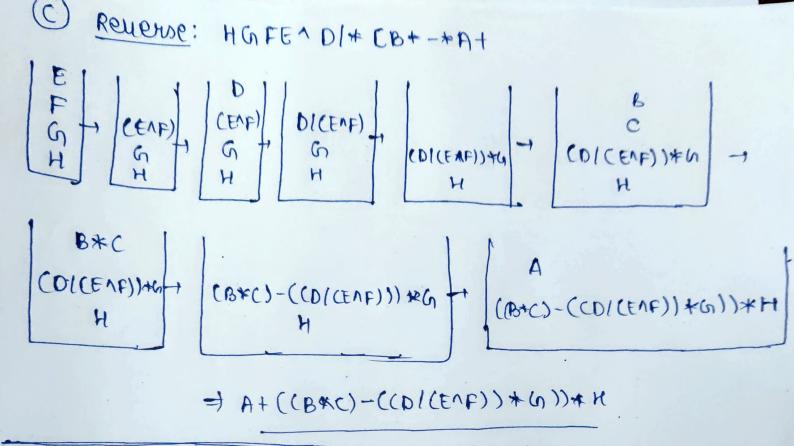
Tutorial - 7

+ 1 8 2 11 6 4 3 1 6 (B)

DATA STRUCTURE

201B172

HATTAGEN HAT (1) 2,2,1,1,2 (2) SYEUQTSADNIE (3) (a) (Ruefix to Infix) +ALB*C^DE 4 reverse - ED^C*B/A+ (B/CC*(DNE))) (C*(D^E)) (DAE) => (A+(BICC*(DIE)))) (((1/35/0)+0)()+3)+() *-AIBC-IAKL (b) * A A-(BIC) B (BIC) A-(B1C) ((AK)-L) , (A/K) / ((A-K)-L) => (A(BIC) * A-(BIC)) A



0

A*B+c/D/E

expression	Stack	Postlix
A	1.	A
*	*	A. A
В	11 *	AB
+	1+ +	AB*
C	y runt	AB*C
1	1+1	AAB*C
D) 1+1;	+ A A B*CD
1	146	1 AB*CD1
E	40 +1	I AB*CDIE .
FOE	4)\	AB*CDIE/+

(514) 1/7-8+1) ·

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Mark con ugo

			HIATIA
-	expression	Puefix 1	stack.
+	Ε	E	111001
	1	E	11/11
	D	ED .	1
	1	ED1	1
	C	EDIC	1
	+	EDIC/	+
	В	EPICIB	+
	*	EDICLB	+*
	A	ED/CLBA	+*
	EDE	EDICBA*+	
1			

+* ABCIDE

expression	Postfix	Stock
C	English in the	MARC "
A	AA	C
+	A	C+
В	AB	C+
^	44 AB	C+1
0	ABD	(+1)
)	· DYJABDA+	empty.
1	+AGBA E+C	1-1-1
C	1) ABD1+	11/0
E	3+00AA	11C
- 1	ABD^tE	17c-
F	ABONTE-F	10.
)	ABDATEF	1
+	ABDA + E-F1	H419 .
G	ABDME-FIG	+
EDE	ABON+E-FIGH	a di
		111

1 6

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191-11-A 4

CONTRACTOR

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aar ia

1-4:

301000 21

			and a second	Secretaria de la compansión de la compan	
E ocpues	sion	Parefio	C. MINI	Stack	
G		G	A		
+		67	*	+	
))	G		+)	
F		GF	84	+)	
-	*	GF	jA	+)-	
E		+ GFE	1	+)-	
(4	GFE-	-)1	+ '	
1))	Cafe-	1944	+1	-
)	2 4)	GFE-	- JAA	+1()	
b	*	GFE-D	1,234	+1)	
^	10.101	GFE-D	MA	+/) ^	
B	11110	GFE-DB		+/)^	
t	* 0	GFE-DB!	7 1 17	t/)+	
A	. 40	GFE-DBA	1	+/)+	
(*)+	GFE-DBA	+ / + A	+1	
EDE	1.	CFE-DBN	A.t. /+	}	
	4 1.	1		1	

+1+A1BD-EFG

(C) A+(B*C-(D/E^F)*G)*H)4+1-1(1)+

Ехрнельіоп	Postfisc	Stack
A	A	(0)
+	A	+ +
((a A (a	+(
В	AB (1)	+(
*	AB AB	+(*
C,	ABC	+(*
-	ABC -	+(*
C	ABC- AT	+(*(
D	ABC-D HE	+(*(
1	() ABC-D	+(*(1
E	ALL ABC-DE	+(*(1
^	ABC-DE	+(*(1)
F	ABC-DEF	+ C* CIV.
)	ABC-DE'F'M	+ C*
*	ABC-DEF N/	+(+
G	+ ABC-DFFM*	W. +(*
)	ABC-DEF N+6	* +
* :	ABL- DEF1/+n*	+*
H	ABC-DEF1/*G*	H +*
EDE	ABC-DEFN/*G*	1*+

Revenue: H+) (n+) FA & (D(-C+BC+A 1))AG(1) + (C+A)

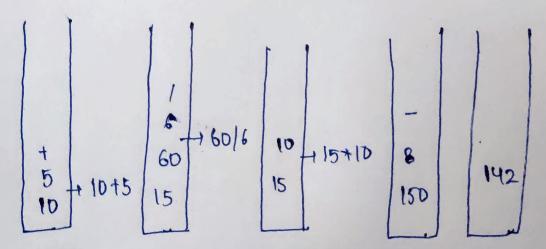
Capression	Perefia	riself.	Stack	3954
н	H		empty	
*	H	a	**	1
)	H	ri)	*)	4
6	HG	^	*)	,
*	HG	Ü	*)'	
	HG	100	+1+)	4
F	- HGF	10	*)*)	-46
٨	HOF	310	*)*)^	-
E	HOFE	- J +ie	*) *) ^	
1	HOPEN	-37:	+)+)	
D	HOPEND	-17.	*)*)1	
C	HULEVD1		4)+)/	7
_	HGFENDI*	1 1100	*)*	/1
C	MULE VOIXC	44-110	*)-	3
*	HOPE DI+C	All The	*)-*	1
В	HOLEVDI+ CB	The second secon	*)-*	A
C	HULEVOI+CB4		*	1
+	HGPEND1+(B+		+	,
A	HAFEND IT COT	-*A	+	
End	HGFEND/+CB+	+A+	ampty	

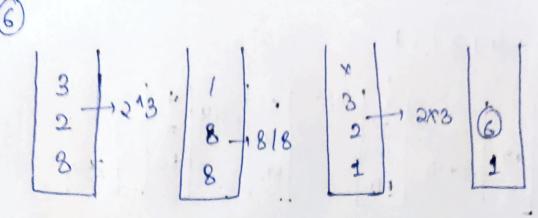
@ 546+*493/+*

6 8231/23++51*-

C ++-23/*43 Reverse+34*/32-++

(d) 105+606/#8-





Answer: 6

3 This algorithm points binary representation of

for eg:
$$\eta=4$$
80, $4/1/2$
0
412
2
2/1/2
1
1/1/2
1
112
= 100 + Binary representation

0/4