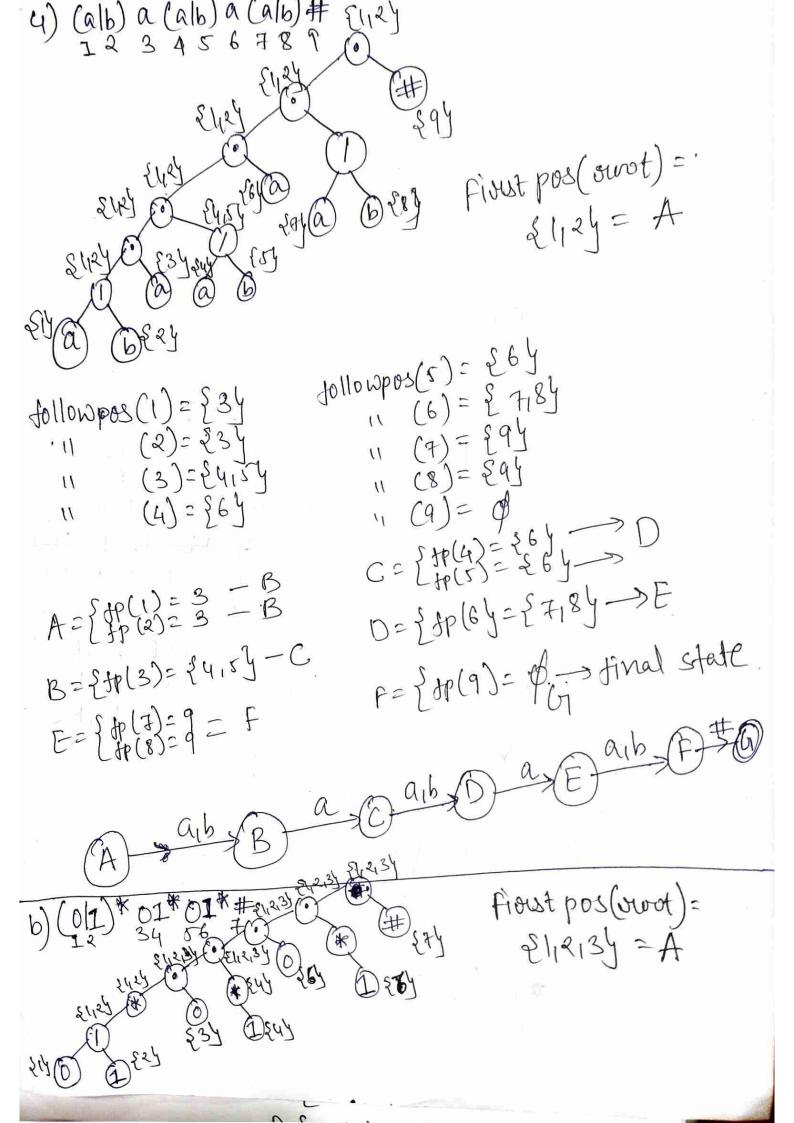
Assignment - sol" I. a) All storing contain last 30rd letter a. b) All string contain exact 3 6/5 heigh o our movie occurrence of a before on after 6. Q. a) b\*[a\*[b+€]]\* b) [00+1]\*1[00+1]\* 3. X= y\*2+W/AV 11= 4x2 Stage 1 = lexical Analysis. tz= WIOV KI41ZINIX -> Identified oc= tittz Operators = = 3 x, +1} Stage 6 - code generation. tre Ro, to Ri, 20083 Stage 2; - Syntan Analysis 4= Ro, Z = Ri, W= Ri, V= R3 MUL ROIRI div R2 R3 add Ro, Rz mov Ro, X Stage 3: seamantie Analysis (Type checking) Stage 4: ICH t1= 4\*Z ta= W/WY t3= t1+t2

n= t3

CACHE IN



fp(5)= 86,74 dp(1) = &1,2,34 tp(2) = {1,2,34 JP(6)=\$6174 fp(3)= 24,54 \$ (7)= E \$ \$ Sp(4)=\$4,54 A= { fp(1) Ufp(3)= {1/2/3/4/5} -> B fp(2)= {1/2/3/-> A B= { tp(1) vtp(3) vtp(5)= {1,2,3,4,5,6,7}-> C. tp(2) vtp(4)= {1,2,3,4,5}-> B C=Stp(1)Ufp(3)Ufp(5)=&1,2,3,4,5,6,74 -> C fp(2)Ufp(4)Ufp(6)=&1,2,3,4,5,6,74-> C \_tp(7)= 0 = D -> final state Fiorst pos (owot) = E112184 c) (alb)\*ca(alb)\*C#300 (1/13) tp(1)= {1/2/3}/tp(5)= (5/16/7) Jp(2) = {1,2,3} Jp(6)= {5,6,7} 51213 Q (516) Ap(3)= 244 (Ap(7)= 284 8P(4)=2516174 SP(8)=8\$4 (b) 224 B= { Jp (4)= { 5,6,74 -> C C= Stp(s)= & Sibity=C tp(t)= @ C tp(t)= & 84 -> D D { tp(8) = \$ -allerted

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	Nume	type	size	Dimensim	line of	line of	Address	1
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	- b	int	4	J 25 9 107	and the		· · · · · · · · · · · · · · · · · · ·	
	6	int	4	-	4	5.	7	
	- $j$	int	4	-	4	[3]	-	
	K	int	4		4			

int b	symbol	(commu, (separator)	
	Keyword		
b		variable name	
)	identifier	pyrunthesis	
	symbol	PURUNTARIS	
:	Symbol	Semicolon Return type	
void	Keyword	function nume	
muin	identifier	Pann thesis	
	symbol	runnthesis	
),	symbol.	Puninthesis	
٤	Symbol	TYPE	
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	symbol	commu (separator)	
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	symbol	assign. openitor	
	identifier	function name	
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	identifier	vuriuble nume	
,	Symbol		
-;	Symbol	Semicolon	
Printf	identifier	formul string  (commu (separator)	
	symbol		
11.1.011	literal		
)	symbol		
K	Jentifier	vusius le nume	
)	Symbol	Comme	
<i>;</i>	symbol	semicolon	
<i>y</i> .	symbol	Parathesis	