1)  $\rightarrow 1$ , -7  $bl_2$  X = 1 \* H  $L_1 = A$   $l_2 -7$   $al_2 \cup cl_1 \cup cl_3 \cup E$   $l_2 = B$   $l_3 -7$   $bl_2 \cup cl_3 \cup E$   $l_3 = C$   $l_3 -7$   $c* (bl_2 \cup E) = 7 (3 -7) (*bl_2 \cup C*)$ 

plug 13 and 1, into 62

L2-7 aL2UcbL2Uc(c\*bL2Ucc\*) UE
L2-7 aL2UcbL2Ucc\*bL2Ucc\* UE
pull out an l2 and use the theory:
-7 Y= LXUM-7 X= L\*M

L2-7 L7 (aucbucc\*b) ucc\* uE

L2-7 (aucbucc\*b)\*(cc\*∪ €)

plug le into l, and into Les to get final

 $L_1 \rightarrow b \left[ \left( a \cup c b \cup c c^* b \right)^* \left( c c^* \cup E \right) \right]$   $L_2 \rightarrow \left( a \cup c b \cup c c^* b \right)^* \left( c c^* \cup E \right)$   $L_3 \rightarrow \left( a \cup c b \cup c c^* b \right)^* \left( c c^* \cup E \right) \right] \cup C^*$ 

Ч)	2/epislon production  5-75a5bclBa 3) unit production  B-7 CBd151E
	B-7 E 5-7 Sa Sbc/Ba/a B-7 CBd/Cd/S
	B-75  * [leave last two symbols]  [alone.  5-7 SaSbelBa/Sala Va-7a Vb-7b  B-7 CBd/CSd/Cd Xc-7c Xd-7d
	5-75XaSXbXc/BXa/5Xn/Xa B-7XcBXd/XcXd,
	5-755, BXn SXn Xn 5,-7 Xn 52 52-7553 53-7 XbXc
	3-7 X B, X B2 X X X 3 B, -7 B X d B2-75 X d
	Xn-7n Xb-7b Xc-7c Xd-7d

5)	25,A] [a,J] E-7 B/B·E'
	j =1,2 E'-7 X   X.E
	5-7 ASIAId j=i-1 1) no episolon production
i = 2	A-7 55 a 2/ no unit production
	-7 Grelbach check
	5-7 A 3) no left Recorsion
	J= 1,2.1,2 j=1-1
	5-7 AS   AA   ]
( )=1	A-7(5)5 (5)4 AS AA a fremove Immedite?
	[eft Recordien]
223	A-7 ASS ASA AAS AAA dS dA AS AA AS AAA AA
	B B W B
	A-7 ds/dsA'   dA/dAA'   a/aA'
	A-7 55/55A'/SA/5AA'/AS/ASA'/AA/AAA'   5/5A'/A/AA'
	new Alnto olds A-75
	new Sinto A' 5-7 A'
	5-7
	\$7
	A - 7
	A'-7
NAME OF THE PROPERTY OF THE PR	

0 mg/ 1 1 0 1 1 0 (\$z,0', R) on 17-1 (64-2) 6 000110 15 (26,0',L) (26,1,R) (26,0',R) 3-2 M-1 01 99 り (年,1,4) (4,0,4) (年,1,4) o' il ino 000 1111 600000 1=5 (\$,0',R) (\$,1',L) \$ (\$1.0,L) En (74,0,R) (33, O, R) Accepting State