Name: SWARNAVA CHAKRABORTY Dept: CSE Year: 4th Rof no.: 20 given Date: 19-12-2020 Due Date: 23-12-2020 Compilor Design Derive SLR parising for the grammar E->BB, B -> cB | d Check whether the string codd is accepted by the parser or not. Ans: -SLR Parsing E -> BB B -> cB | d First (E) = First (B) = { c,d} Follow (E) = { \$ 3 Follow (B) = { c,d, \$ }. @ Parsing deagram TO E B E B E B B TS

E > BB C B > C B B > C.B B > CB. I6 $B \rightarrow .cB$

SLR Parsing Table

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States	Action			Gioto		
		4	\$	E	B	1
To	53	Sq	The state of the s	1	2	
T,	1 427	6	Accept	ar A	12 1900	
I_2	53	S ₄			5	Charles Commenced Commence
T_3	53	54			6	
T_4	213	273	.13		A 300 Special	
Ts			۶۱,	roty 70	1,00	THE RESIDENCE OF THE PERSON NAMED IN
To	712	972	.12			The second secon

table for string "ccdd" acceptance: # Stack

Stack	Input Buffer	Acton
\$ 0	ccdd \$	\$3.
\$003	C99 \$	53.
\$00303	46\$	54.
\$0c3c3d9	d \$	773 [B > d]
\$063c3Bh	9 \$	12 [B->cB]
\$0c3B.h	d\$ 5 4	12 [B>CB]
\$082	9 . (9 . 6	Su
\$ 0B 2d4	\$	913 (B->d]
\$08285	\$	91, [F-BB]
\$0E1	\$	Accept
100	0 3	Comments of the second

in Therefore the string "ccdd" is accepted by the SLR purser.