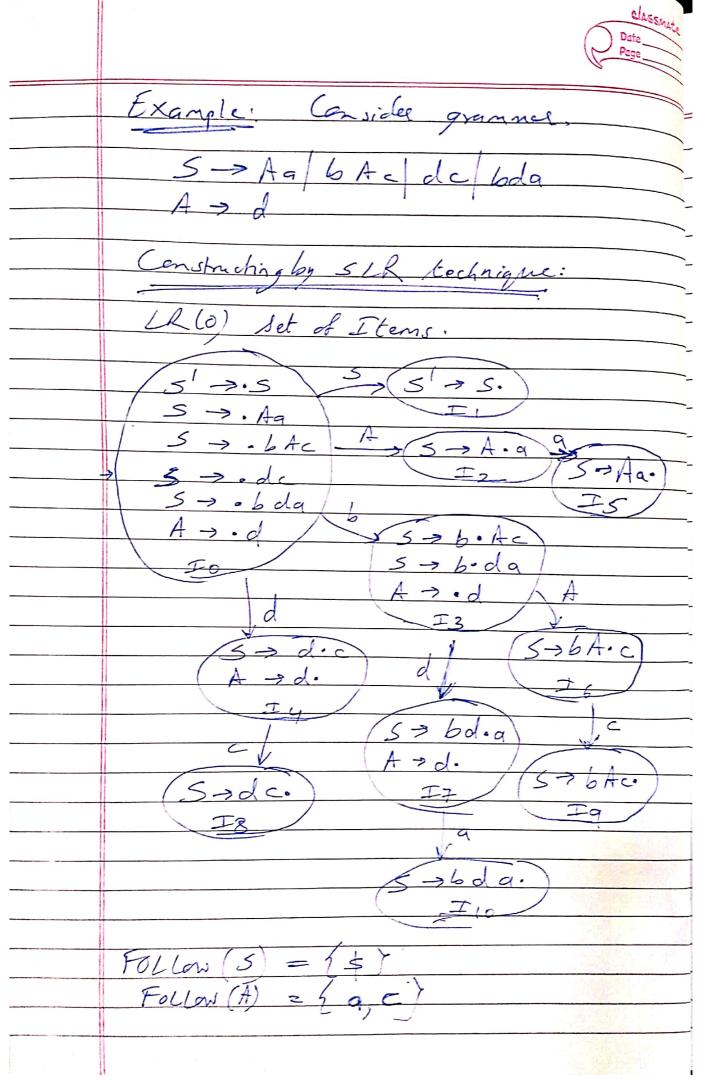
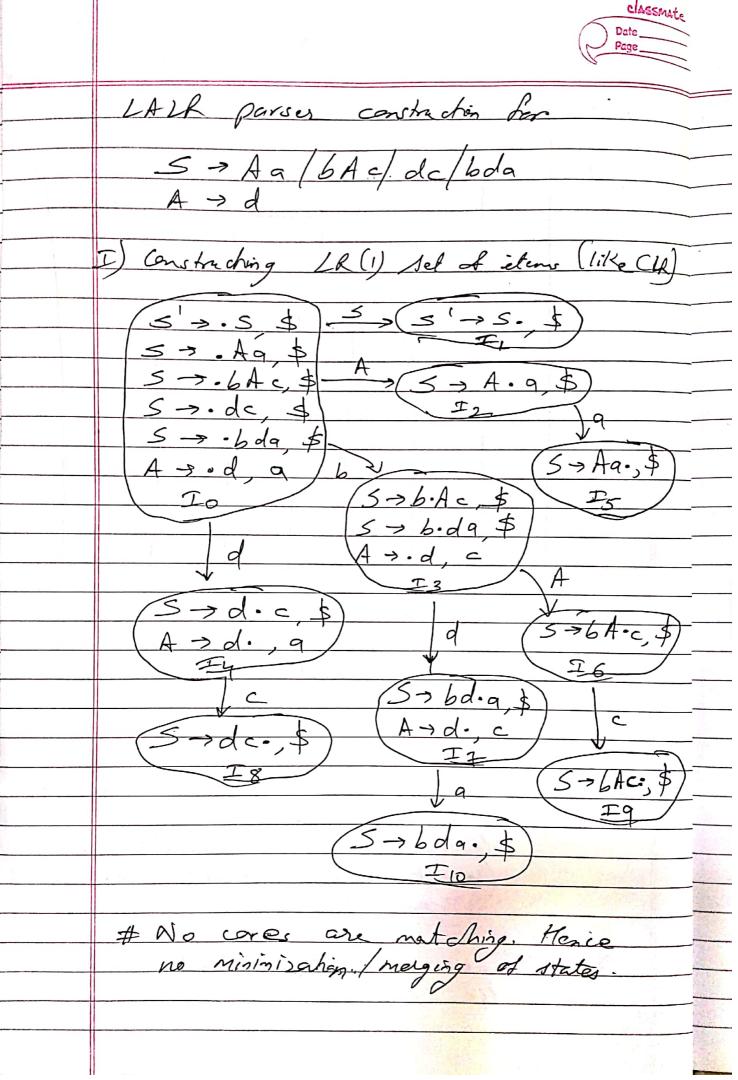
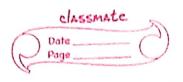
LALR Parses

This is the last (and often used) parses construction method, the LALR (Look Head - LE) parses. Key reasons of it being most used asse It is stronger than SLR pand Lor grammars that cause condict in SLR technique It constructs parrer table with less or equal number of states. than CLR. (ophinized para table) 3) It is yet most common syntatic constructs of programing languages can be expressed by LALR: grannels. Steps of LALR contraction. It constructs LR(i) set of items. I similar to CLRS. I) It looks for set of LR(1) items having same core lie same first component of set and neiges them common (like they would have been in (RIO) set of items) provided they don't cause conflict. [5-Ron R-R conflict ?



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	3)5-7dc								
	y) 5 3 6 dg								
	5) A → d								
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	NOTE:	5-4	, c	1	II7	-, 9	have	mult	pi/e
	NOTE: [Fy, c] & [I7, a] have multiple achines entries. Hence grammer is not SLR(1) (as it causes shift - reduce conflict)								
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Production /ist) $S \rightarrow Aa$ $2 \rightarrow 6Ac$ $3 \rightarrow 6Ac$ $4 \rightarrow 6da$

Note that there are no carflicts in the above parser table.

Hence, the given grannel is

LALL (1) but not SLR(1).

TASK: Check where the previously

given grammers (after CLR) are

LALR(1) of not.

