$0.S^r \rightarrow S$ $1.S \to Xp$ 2.S
ightarrow qXr3.S
ightarrow Yr $5.X \to t$ p | I₆ | Y I₈ p I₁₂ I₅ Complete the set of items. Construct the LALR(1) table and answer the following questions based on your derived results 3. In the LALR(1) table, which of the following cells contain **Accept**? (ls.p) (I₁,q) (lyr) (I₅,\$) All of the above 4. In the LALR(1) table, which of the following do you get in the cell $(\mathbf{I_0,t})$? O 55 O 59 O 52 ● 559/595 5. In the LALR(1) table, which of the following do you get in the cell (I_3 ,X)? 7 08 O9 ○ ERROR 6. In the LALR(1) table, which of the following do you get in the cell (I₃,Y)? 8 ○ ERROR 9. Is the given grammar a valid LALR(1) grammar? ○YES 10. If the LR(1) table for a certain grammar does not have any conflict, what kind of conflict can there possibly be in the derived LALR(1) table for the same grammar (if any)? Shift-Reduce Reduce-Reduce Shift-Shift ○ None 13. In Figure 1, GOTO (I_3 ,t) leads to a set of items I_9 . Which of the following item(s) does the set contain? ✓ Y → t.p _Y → t, r 11 15. Which of the following statements is correct? The set of LR(1) grammars is a subset of SLR(1) grammars ○ None of the above

Submit You have used 1 of 1 attempt