

TDT4205 Problem Set 2

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1 Bottom-up parsing

1.1 LR(0) automaton

Following the methods outlined in Chapter 4.6.2, we construct the following LR(0) automaton:

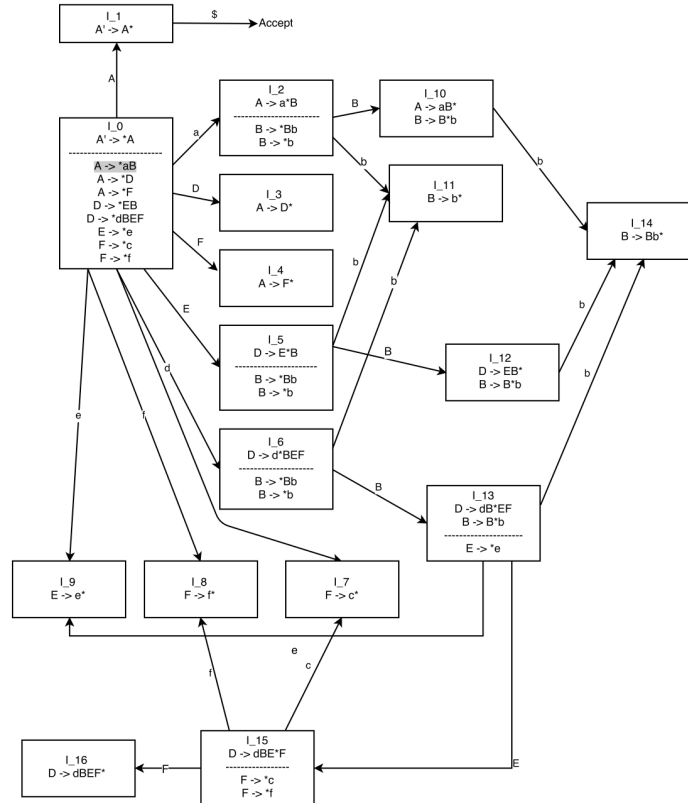


Figure 1: Automata

1.2 SLR

We follow algorithm 4.46 from the Dragon, and find no conflicts. From this we conclude that the given grammar is SLR(1).