Tutorial week 9

CS4158

2022-2023

Q1.a: For the FSM identified (in class, duplicated here) for the grammar below, please create an Action table, a Goto table and walk through the language instance: d+(d)$, using these or the FSM

S -> E$

E -> E + T

E -> T

T -> d

T -> ( E )

A picture containing text, whiteboard

Description automatically generated

Q.2: Calculate a Finite State Diagram for:

* + S -> X a E $
  + X -> t r
  + E -> y p

Q2.b From this generate the Goto table, the Action Table and parse the language instance t r a y p $ using those or the FSM.