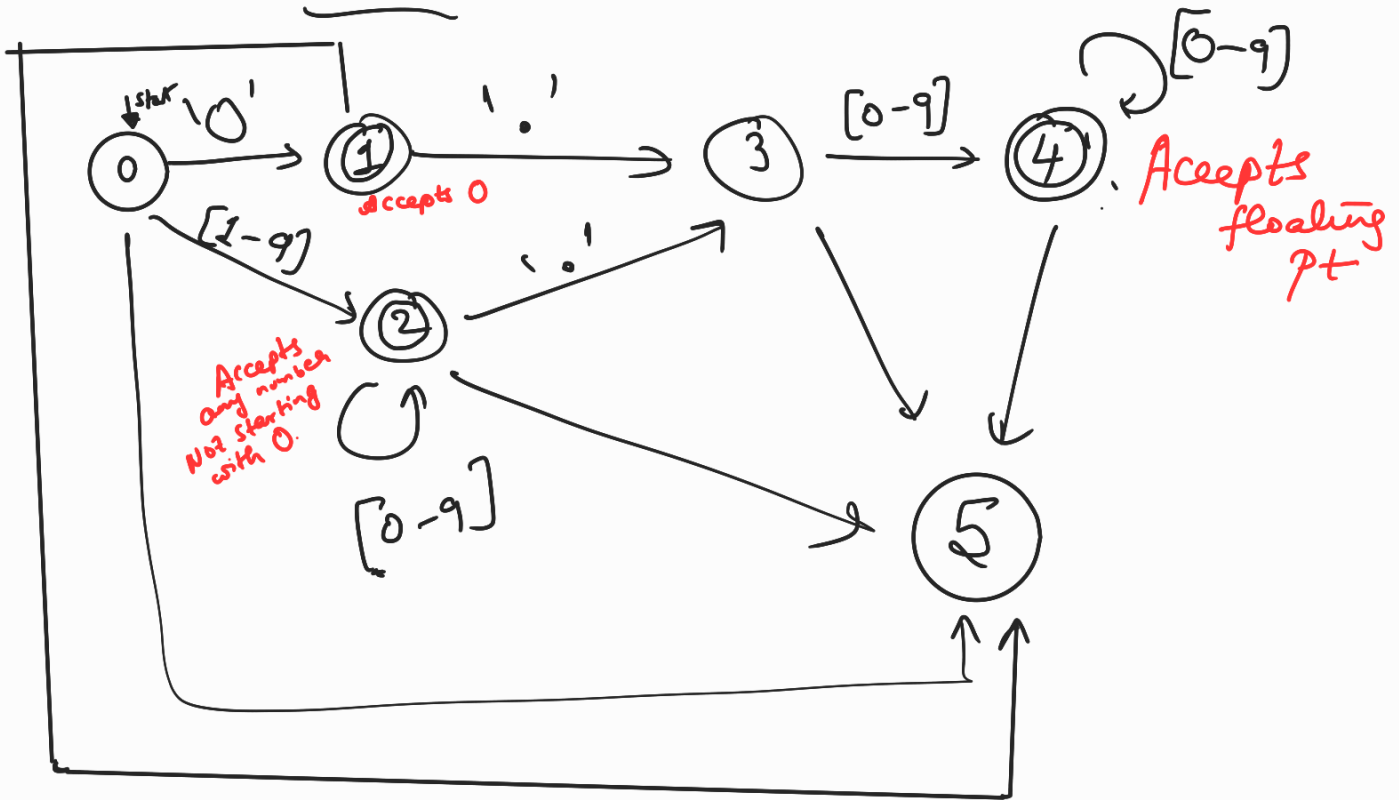


Custom language

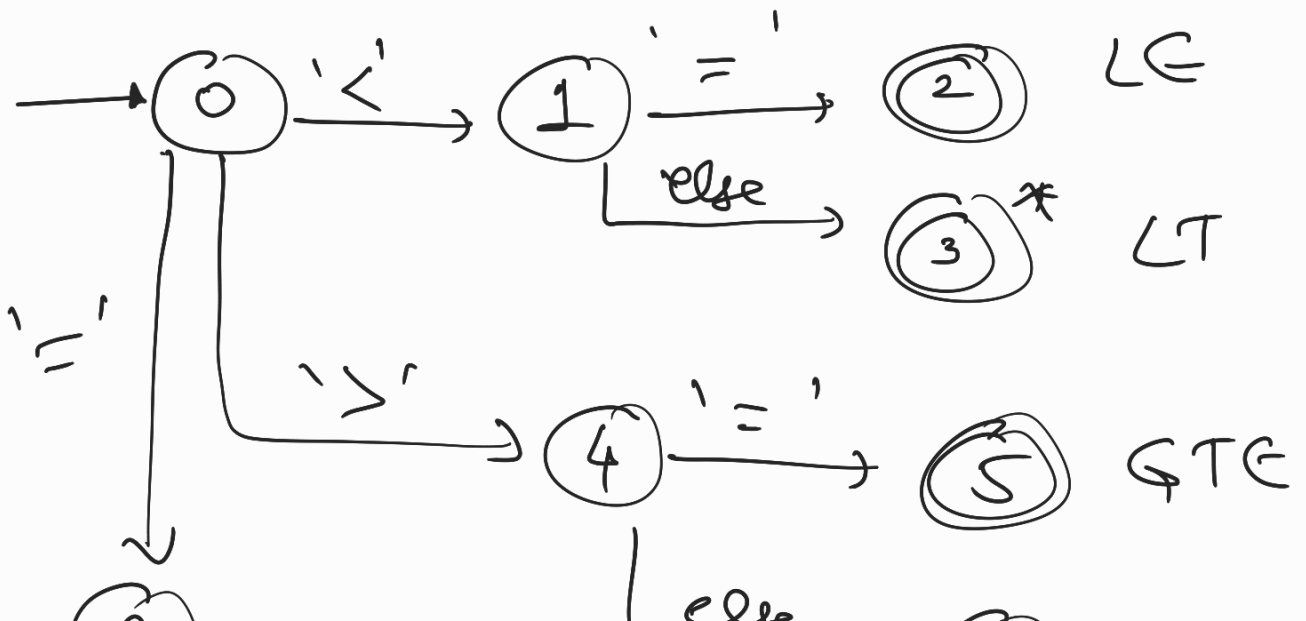
- ① Define CFG for language.
- ② Design FSM
- ③ Lexer
- ④ Parser
- ⑤ Semantic anal
- ⑥ IR code gen.

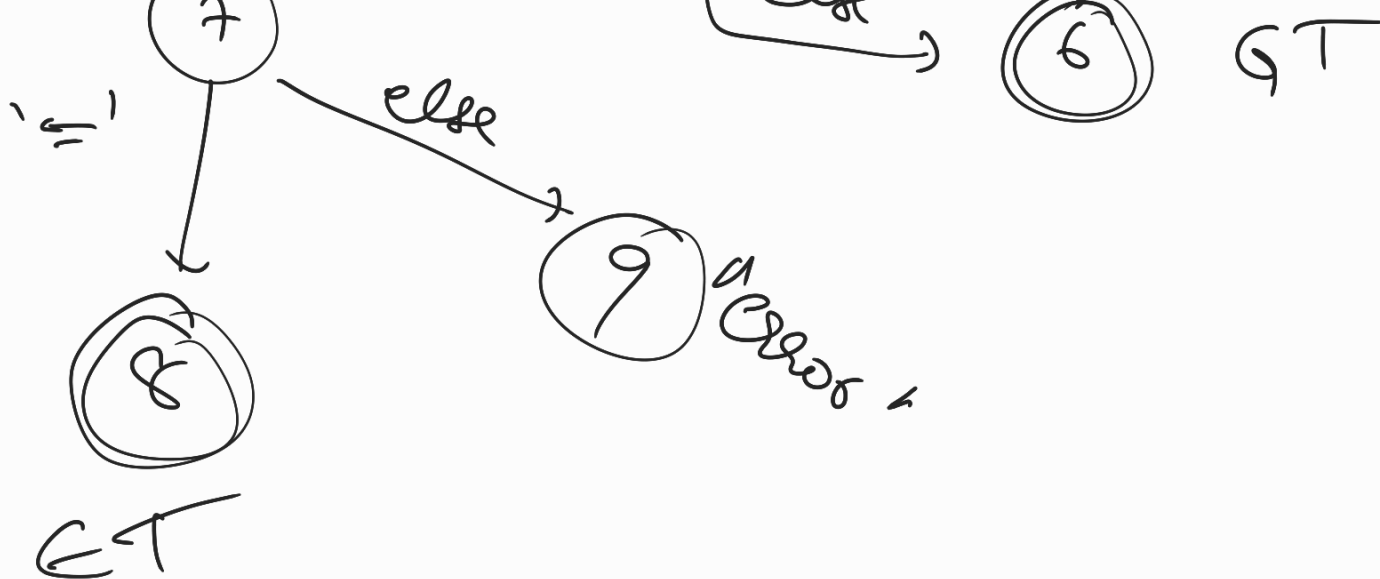
Tokens

• Number $\begin{cases} \text{integer} \Rightarrow \text{TK_100} \\ \text{float} \Rightarrow \text{TK_101} \end{cases}$ (Token no.)

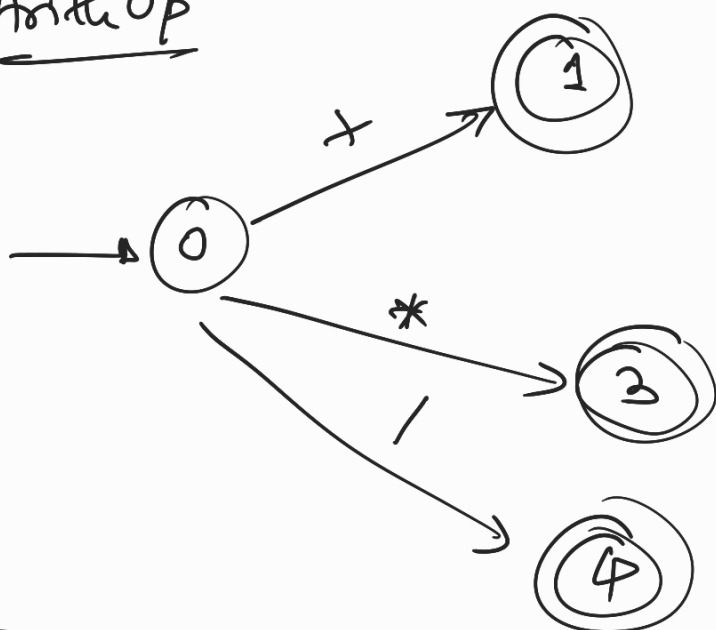


Relop

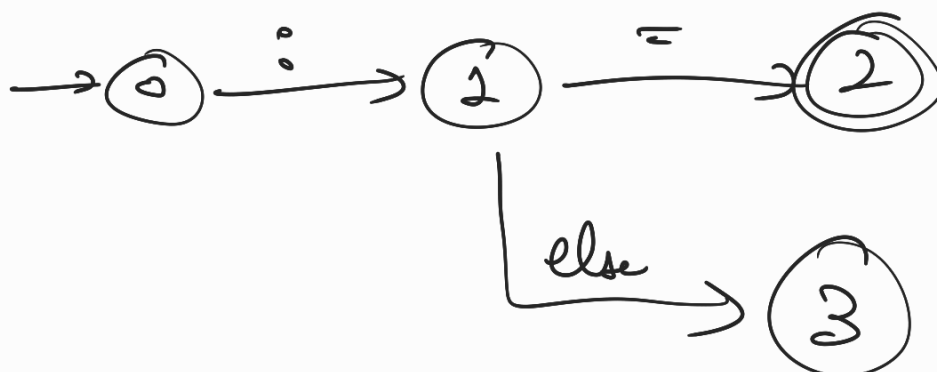




• Arith op



• Assignment



Overall DFA

