1. Program ∷ = List<ParamDec> Block
2. ParamDec ∷ = type ident
3. Block ∷ = List<Dec> List<Statement>
4. Dec ∷ = type ident
5. Statement ∷ = SleepStatement | WhileStatement | IfStatement | Chain |AssignmentStatement
6. SleepStatement ∷ = Expression
7. AssignmentStatement ∷ = IdentLValue Expression
8. Chain ∷ = ChainElem | BinaryChain
9. ChainElem ::= IdentChain | FilterOpChain | FrameOpChain | ImageOpChain
10. IdentChain ∷ = ident
11. FilterOpChain ∷ = filterOp Tuple
12. FrameOpChain ∷ = frameOp Tuple
13. ImageOpChain ∷ = imageOp Tuple
14. BinaryChain ∷ = Chain (arrow | bararrow) ChainElem
15. WhileStatement ∷ = Expression Block
16. IfStatement ∷ = Expression Block
17. Expression ∷ = IdentExpression | IntLitExpression | BooleanLitExpression | ConstantExpression | BinaryExpression
18. IdentExpression ∷ = ident
19. IdentLValue ∷ = ident
20. IntLitExpression ∷ = intLit
21. BooleanLitExpression ∷ = booleanLiteral
22. ConstantExpression ∷ = screenWidth | screenHeight
23. BinaryExpression ∷ = Expression op Expression
24. Tuple : ≔ List<Expression>
25. op ∷ = relOp | weakOp | strongOp
26. type ∷ = integer | image | frame | file | boolean | url

**Ppt 5, Slide 57 onwards**

Bold: untested

**Rules implemented:**26,25,24, 23, 22, 21, 20, 19,18, 17, 16, 15, 14, 13,12,11,10,9,8, 7, 6, 5, 4, 3, 2, 1, 0

**TBD:**

1. Parse() function
2. Program ∷ = List<ParamDec> Block
3. ParamDec ∷ = type ident
4. Block ∷ = List<Dec> List<Statement>
5. Dec ∷ = type ident
6. Statement ∷ = SleepStatement | WhileStatement | IfStatement | Chain |AssignmentStatement
7. SleepStatement ∷ = Expression
8. AssignmentStatement ∷ = IdentLValue Expression
9. Chain ∷ = ChainElem | BinaryChain
10. ChainElem ::= IdentChain | FilterOpChain | FrameOpChain | ImageOpChain
11. IdentChain ∷ = ident
12. FilterOpChain ∷ = filterOp Tuple
13. FrameOpChain ∷ = frameOp Tuple
14. ImageOpChain ∷ = imageOp Tuple
15. BinaryChain ∷ = Chain (arrow | bararrow) ChainElem
16. WhileStatement ∷ = Expression Block
17. IfStatement ∷ = Expression Block
18. Expression ∷ = IdentExpression | IntLitExpression | BooleanLitExpression | ConstantExpression | BinaryExpression
19. IdentExpression ∷ = ident
20. IdentLValue ∷ = ident
21. IntLitExpression ∷ = intLit
22. BooleanLitExpression ∷ = booleanLiteral
23. ConstantExpression ∷ = screenWidth | screenHeight
24. BinaryExpression ∷ = Expression op Expression
25. Tuple : ≔ List<Expression>
26. op ∷ = relOp | weakOp | strongOp
27. type ∷ = integer | image | frame | file | boolean | url