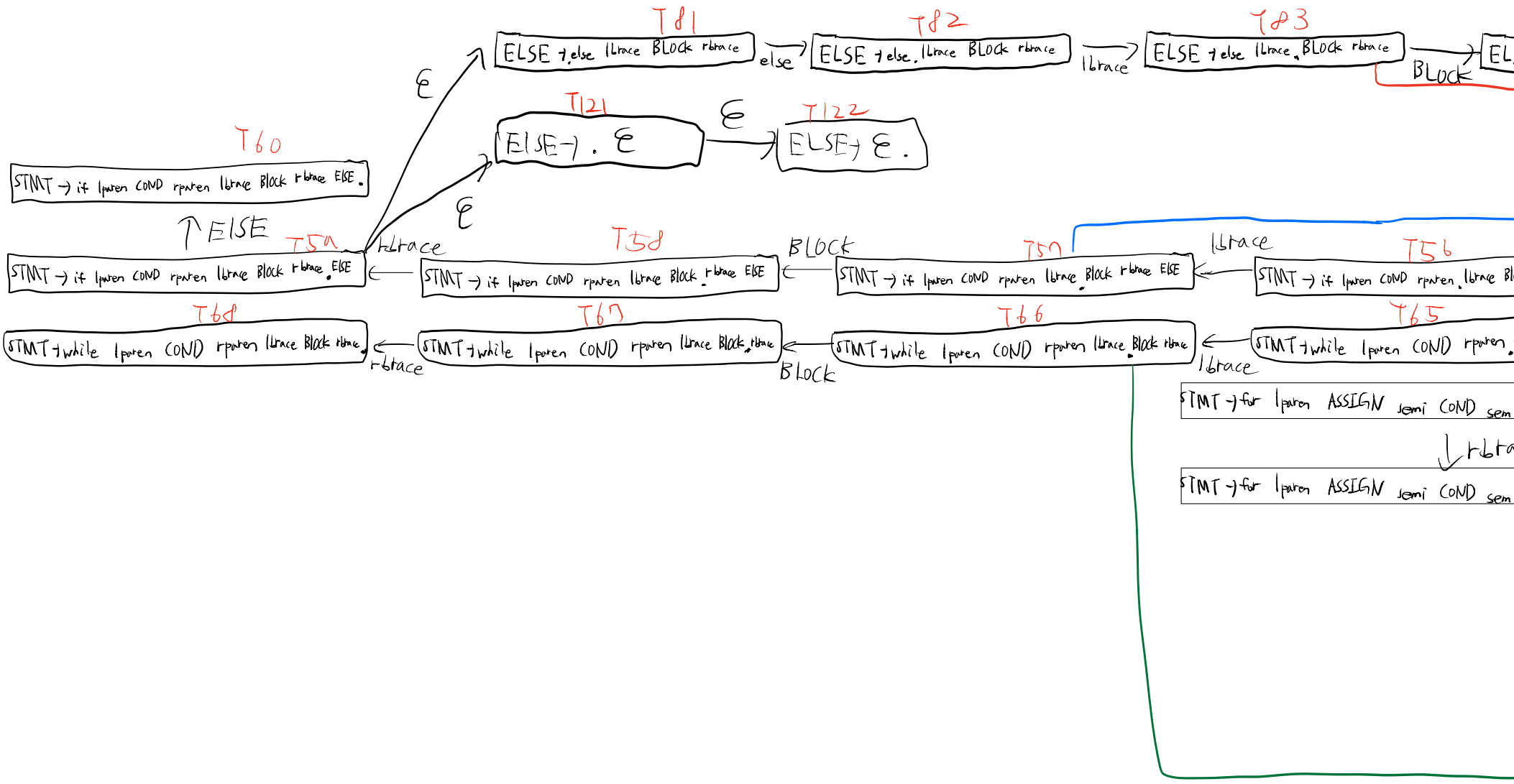
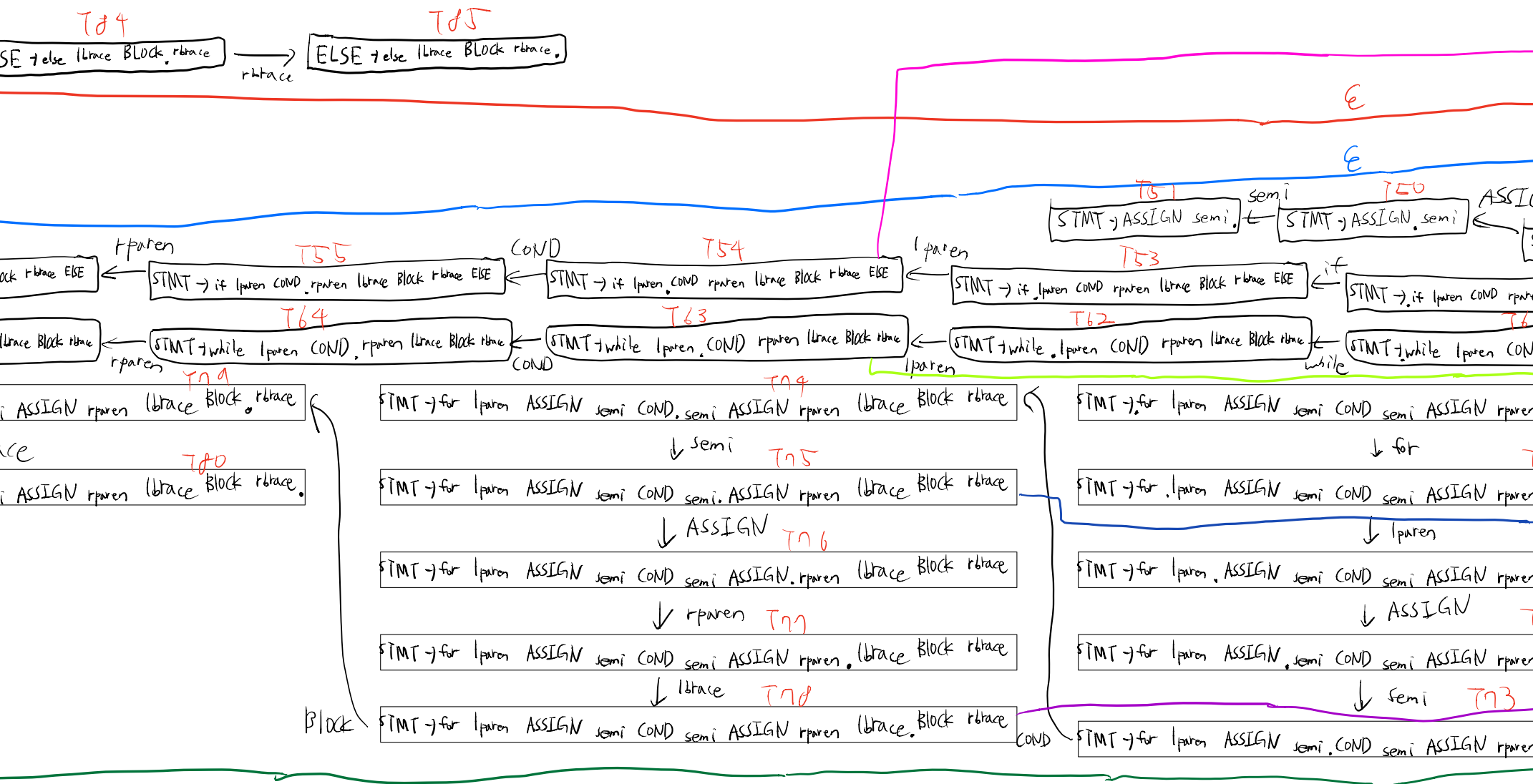
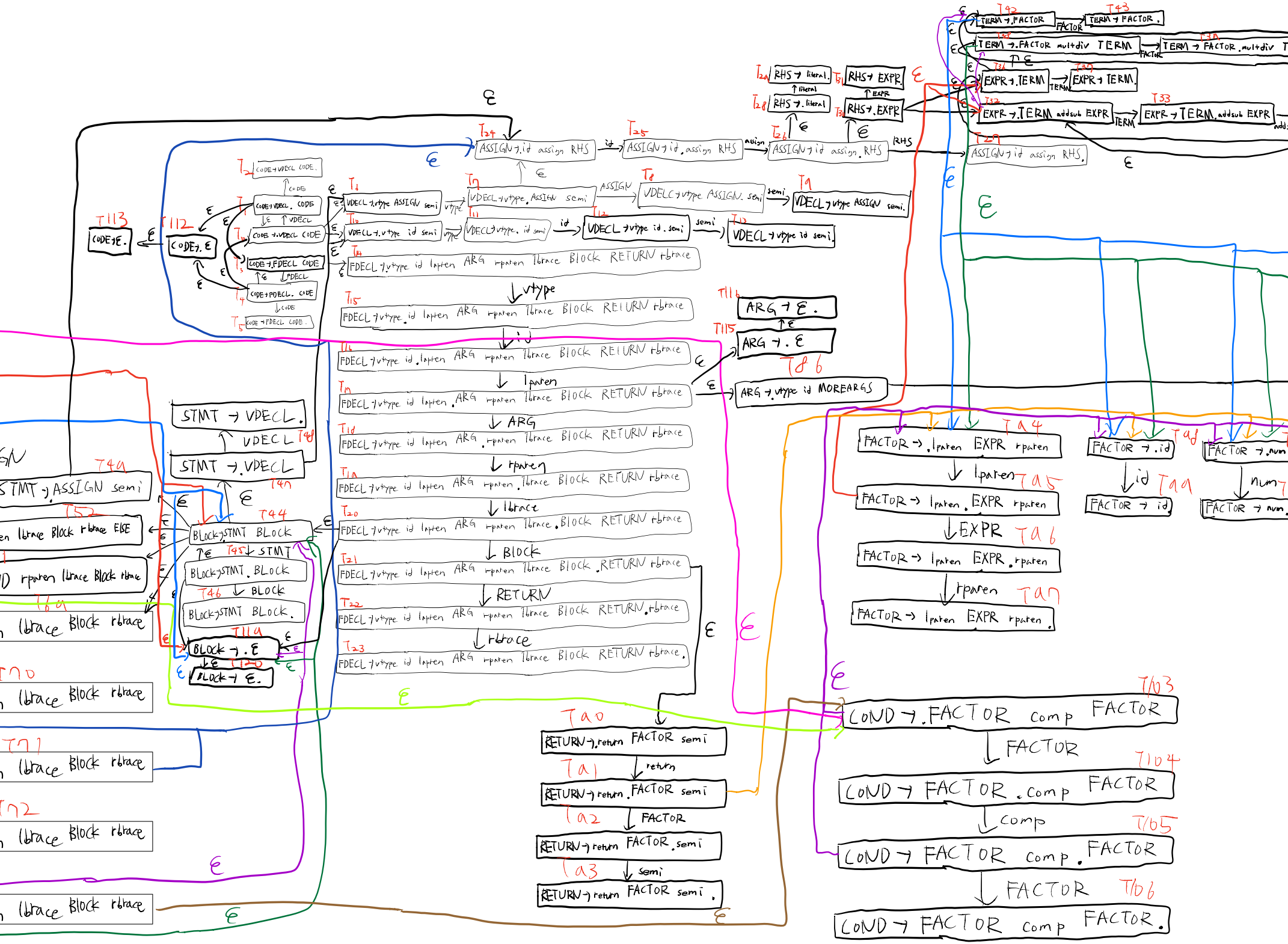
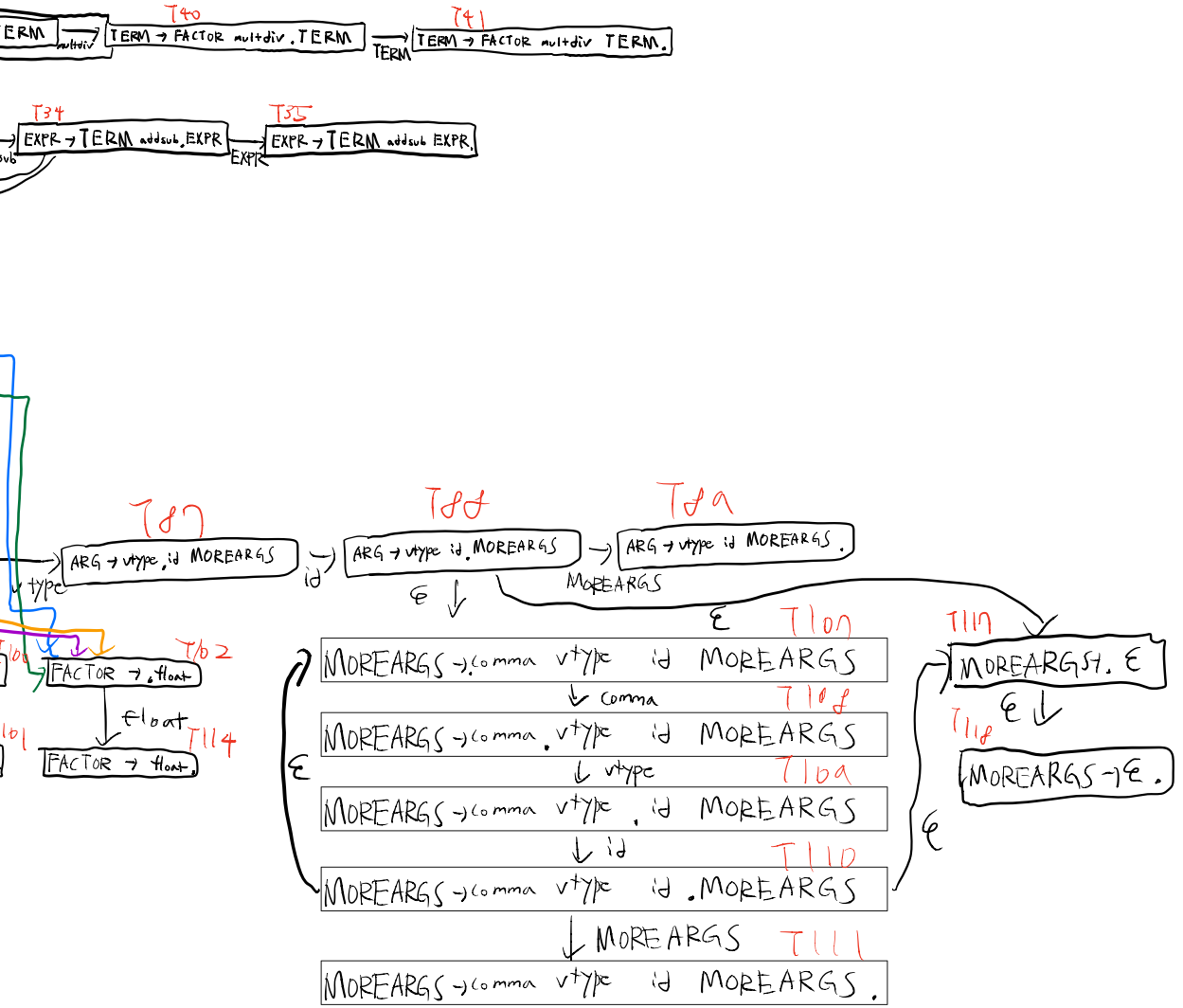

T81
ELSE → . else lbrace BLOCK rbrace
else
T82
ELSE → else . lbrace BLOCK rbrace
lbrace
T83
ELSE → else lbrace . BLOCK rbrace
BLOCK
T121
ELSE → . ε
ε
T122
ELSE → ε .
ε
ε
T60
STMT → if lparen COND rparen lbrace BLOCK rbrace ELSE .
↑ ELSE
T59
STMT → if lparen COND rparen lbrace BLOCK rbrace . ELSE
rbrace
T58
STMT → if lparen COND rparen lbrace BLOCK . rbrace ELSE
BLOCK
T57
STMT → if lparen COND rparen lbrace . BLOCK rbrace ELSE
lbrace
T56
STMT → if lparen COND rparen . lbrace BL
T68
STMT → while lparen COND rparen lbrace BLOCK rbrace .
rbrace
T67
STMT → while lparen COND rparen lbrace BLOCK . rbrace
BLOCK
T66
STMT → while lparen COND rparen lbrace . BLOCK rbrace
lbrace
T65
STMT → while lparen COND rparen .
STMT → for lparen ASSIGN semi COND sem
↓ rbra
STMT → for lparen ASSIGN semi COND sem


T84
SE → else lbrace BLOCK . rbrace
rbrace
T85
ELSE → else lbrace BLOCK rbrace .
ε
ε
T51
STMT → ASSIGN semi .
semi
T50
STMT → ASSIGN . semi
rparen
T55
STMT → if lparen COND . rparen lbrace Block rbrace ELSE
COND
T54
STMT → if lparen . COND rparen lbrace Block rbrace ELSE
lparen
T53
STMT → if . lparen COND rparen lbrace Block rbrace ELSE
if
STMT → . if lparen COND
T64
STMT → while lparen COND . rparen lbrace Block rbrace
rparen
T63
STMT → while lparen . COND rparen lbrace Block rbrace
COND
T62
STMT → while . lparen COND rparen lbrace Block rbrace
lparen
while
STMT → while lparen CON
T49
ASSIGN rparen lbrace Block . rbrace
T80
ASSIGN rparen lbrace Block rbrace .
T74
STMT → for lparen ASSIGN semi COND . semi ASSIGN rparen lbrace Block rbrace
semi
T75
STMT → for lparen ASSIGN semi COND semi . ASSIGN rparen lbrace Block rbrace
ASSIGN
T76
STMT → for lparen ASSIGN semi COND semi ASSIGN . rparen lbrace Block rbrace
rparen
T77
STMT → for lparen ASSIGN semi COND semi ASSIGN rparen . lbrace Block rbrace
lbrace
T78
STMT → for lparen ASSIGN semi COND semi ASSIGN rparen lbrace . Block rbrace
Block
STMT → . for lparen ASSIGN semi COND semi ASSIGN rparen
for
STMT → for . lparen ASSIGN semi COND semi ASSIGN rparen
lparen
STMT → for lparen . ASSIGN semi COND semi ASSIGN rparen
ASSIGN
STMT → for lparen ASSIGN . semi COND semi ASSIGN rparen
semi
T73
STMT → for lparen ASSIGN semi . COND semi ASSIGN rparen
COND


CODE → .ε
CODE → ε.
CODE → .ε
CODE → .VDECL CODE
CODE → VDECL. CODE
CODE → VDECL CODE.
CODE → .FDECL CODE
CODE → FDECL. CODE
CODE → FDECL CODE.
VDECL → .vtype ASSIGN semi
VDECL → vtype. ASSIGN semi
VDECL → vtype ASSIGN. semi
VDECL → vtype ASSIGN semi.
VDECL → .vtype id semi
VDECL → vtype. id semi
VDECL → vtype id. semi
VDECL → vtype id semi.
FDECL → .vtype id lparen ARG rparen lbrace Block RETURN rbrace
FDECL → vtype. id lparen ARG rparen lbrace Block RETURN rbrace
FDECL → vtype id. lparen ARG rparen lbrace Block RETURN rbrace
FDECL → vtype id lparen. ARG rparen lbrace Block RETURN rbrace
FDECL → vtype id lparen ARG. rparen lbrace Block RETURN rbrace
FDECL → vtype id lparen ARG rparen. lbrace Block RETURN rbrace
FDECL → vtype id lparen ARG rparen lbrace. Block RETURN rbrace
FDECL → vtype id lparen ARG rparen lbrace Block. RETURN rbrace
FDECL → vtype id lparen ARG rparen lbrace Block RETURN. rbrace
FDECL → vtype id lparen ARG rparen lbrace Block RETURN rbrace.
ASSIGN → .id assign RHS
ASSIGN → id. assign RHS
ASSIGN → id assign. RHS
ASSIGN → id assign RHS.
RHS → .literal
RHS → literal.
RHS → .EXPR
RHS → EXPR.
ARG → .ε
ARG → ε.
ARG → .vtype id MOREARGS
STMT → .VDECL
STMT → VDECL.
STMT → .ASSIGN semi
STMT → ASSIGN semi.
Block → .STMT Block
Block → STMT. Block
Block → STMT Block.
Block → .ε
Block → ε.
RETURN → .return FACTOR semi
RETURN → return. FACTOR semi
RETURN → return FACTOR. semi
RETURN → return FACTOR semi.
TERM → .FACTOR
TERM → FACTOR.
TERM → .FACTOR mult/div TERM
TERM → FACTOR. mult/div TERM
EXPR → .TERM
EXPR → TERM.
EXPR → .TERM addsub EXPR
EXPR → TERM. addsub EXPR
FACTOR → .lparen EXPR rparen
FACTOR → lparen. EXPR rparen
FACTOR → lparen EXPR. rparen
FACTOR → lparen EXPR rparen.
FACTOR → .id
FACTOR → id.
FACTOR → .num
FACTOR → num.
COND → .FACTOR comp FACTOR
COND → FACTOR. comp FACTOR
COND → FACTOR comp. FACTOR
COND → FACTOR comp FACTOR.
lbrace Block rbrace
lbrace Block rbrace ELSE
rparen lbrace Block rbrace
ε


ERM
multdiv
T40
TERM → FACTOR mult+div . TERM
TERM
T41
TERM → FACTOR mult+div TERM .
T34
EXPR → TERM addsub . EXPR
EXPR
T35
EXPR → TERM addsub EXPR .
T87
ARG → vtype . id MOREARGS
vtype
id
T88
ARG → vtype id . MOREARGS
T89
ARG → vtype id MOREARGS .
MOREARGS
ε
T102
FACTOR → . float
float
T114
FACTOR → float .
T101
T110
MOREARGS → . comma vtype id MOREARGS
comma
T109
MOREARGS → comma . vtype id MOREARGS
vtype
T108
MOREARGS → comma vtype . id MOREARGS
id
T110
MOREARGS → comma vtype id . MOREARGS
MOREARGS
T111
MOREARGS → comma vtype id MOREARGS .
T117
MOREARGS → . ε
T118
MOREARGS → ε .