8 W62

bool EXP bool EXP $(prightal) \rightarrow (qrightal) \rightarrow (qrightal) \mid (op) \mid (op)$ $(op) \rightarrow (op) \ de (op2) \rightarrow (op3) \rightarrow$

Kooshes h's

BoolExp > BoolTerm Or BoolExp BoolTerm

BoolFactor And BoolTerm | BoolFactor

BoolFactor > (cl) | not (BoolExp) (BoolExp)

Td) > variable name

Bool Factor > 1 Bool Fuctor 1 Bool Primary Bool Primary > (Bool Exp) 1 d

1d > variable

Operator > W 12 LZ L | -> > = <= して = != し 1/24 (Bool Exp) - (BoolExp) (BoolExp) Operator (BoolExp) ((a+b-c)) & (d+e)) & (c < d)

Combine Rel Op Bool Exp Arih Exp

14 Bool Princes - Arith Exp

Quiz on parsing program

| code for purser |
|--|
| , |
| Read / understand this code |
| |
| |
| Today: |
| |
| Extend interpreter. |
| First siep add a for |
| |
| for (', |
| for () { assignment statement |
| Relational Exp Expression |
| assignment |
| assishment |
| expr that contains assignment, still |
| an expr |
| |
| $i = j = \lambda$; $j = \lambda$ then $i = j$ |
| I not in our language |
| · |
| Write production Rules |
| |
| |
| |
| |
| |
| |
| |

(arith-expr) > (arith-term) & (t, -) (arith term) }

(arith-term) > (arith-factor) & (A, 1, 0/3) (arith-factor) }

(arith-factor) > (arith-expr)) - (arith-expr) \ (id) > (-arith-expr) \ (id) > (-arith-expr) \ (id) > (-a-zA-Z)[-a-zA-Z) - 9] *

(number) > [0-9] t

FIX

Look as handont write gramma rules for assign

460 2/13/19 Semicolon to terminate statement (not separate) Proj 1 posted today Write a few expressions and use rules to pourse a>= b x c < d + 2 (rel-expr) - (rel-term) (rel_term) > (rel-primary) >= (rel-primary) -ret-primary - w. +h rel expr (id) >a >= rel-primary () = rel primary arith expr Land the term (mult op) (ar, the primary) arith factor ¥ arith factor