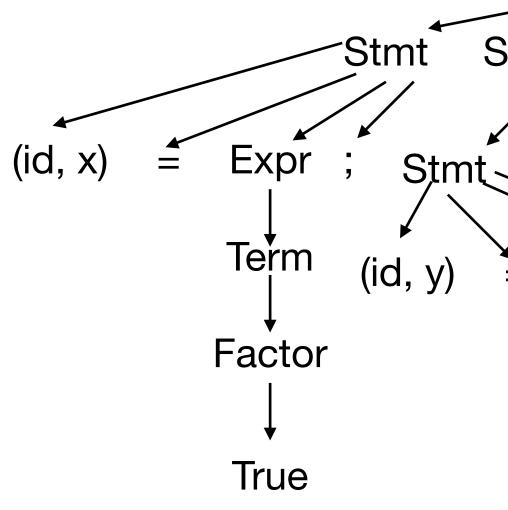


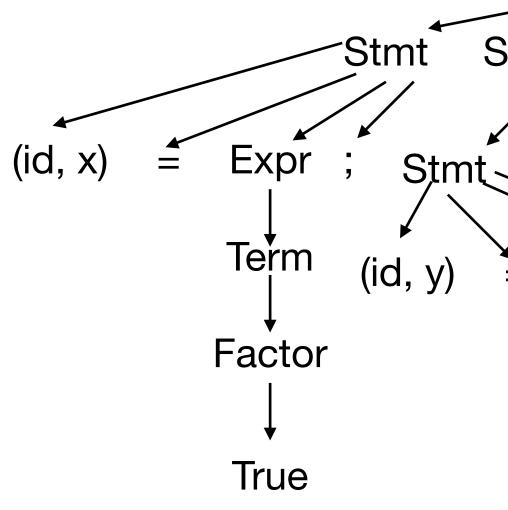
### Quiz 6 Solution

### Quiz 6.1 Solution x = True;Prog y = False;z = True; $w = x \& y \| z$ StmtSeq StmtSet Stmt StmtSeq-Expr ; (id, x) = Stmt StmtSeq Stm Term Expr (id, y) = ; (id, z) Expr ; StmtSeq = Stmt Factor Term 3 Term Ęxpr\_ (id, w) = Factor True Factor Term Expr False True Term Factor \* Factor ♥ ♦ Term && (id,z) (id,y) Factor (id,x)



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Prog -> StmtSeq StmtSeq -> Stmt StmtSeq StmtSeq -> ε Stmt -> Id = Expr ; Expr -> Expr || Term Expr -> Term Term -> Term && Factor Term -> Factor Factor -> ! Factor Factor -> (Expr) Factor -> Id Factor -> True Factor -> False

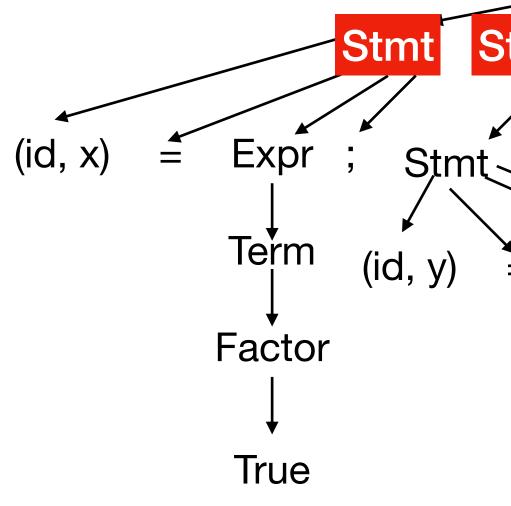


Term

♦ (id,z)

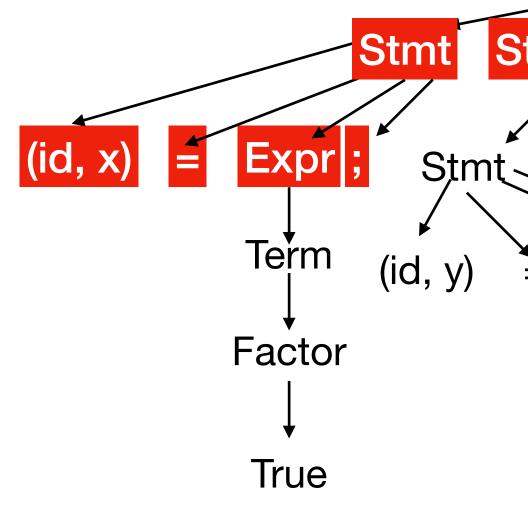
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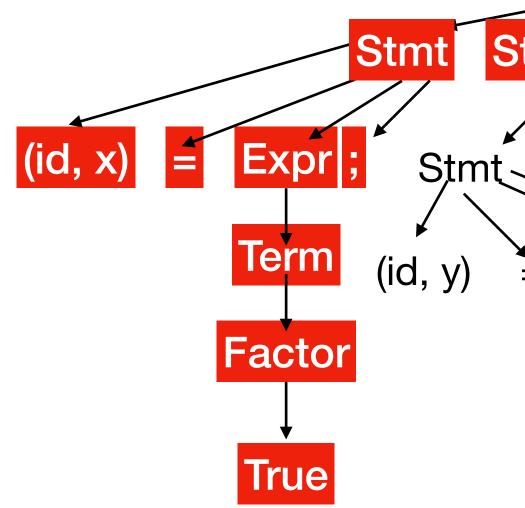
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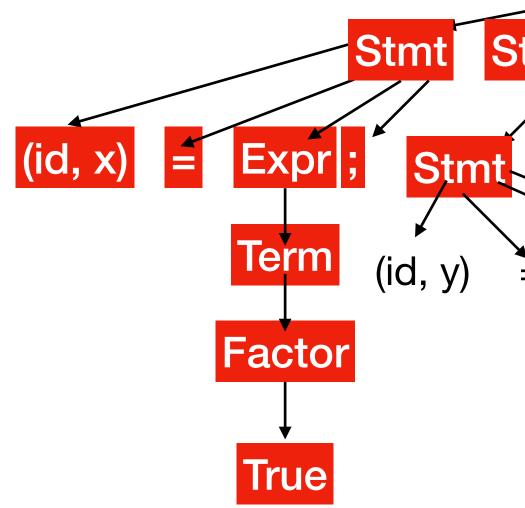
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Prog -> StmtSeq StmtSeq -> Stmt StmtSeq StmtSeq -> ε Stmt -> Id = Expr ; Expr -> Expr || Term Expr -> Term Term -> Term && Factor Term -> Factor Factor -> ! Factor Factor -> ( Expr ) Factor -> Id Factor -> True Factor -> False



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Prog -> StmtSeq StmtSeq -> Stmt StmtSeq StmtSeq -> ε Stmt -> Id = Expr ; Expr -> Expr || Term Expr -> Term Term -> Term && Factor Term -> Factor Factor -> ! Factor Factor -> ( Expr ) Factor -> Id Factor -> True Factor -> False



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