

Convert the given grammar to LL(1) Grammar.

Grammar:

Function → *Type identifier (ArgList) CompoundStmt*
ArgList → *Arg | ArgList , Arg*
Arg → *Type identifier*
Declaration → *Type IdentList ::*
Type → *Adadi | Ashriya | Harf | Matn | Mantiqi*
IdentList → *identifier , IdentList | identifier*
Stmt → *ForStmt | WhileStmt | Expr :: | IfStmt | CompStmt | Declaration | ::*
ForStmt → *for (Expr :: OptExpr :: OptExpr) Stmt*
OptExpr → *Expr | \wedge*
WhileStmt → *while (Expr) Stmt*
IfStmt → *Agar (Expr) Stmt ElsePart*
ElsePart → *Wagarna Stmt | \wedge*
CompStmt → *{ StmtList }*
StmtList → *StmtList Stmt | \wedge*
Expr → *identifier := Expr | Rvalue*
Rvalue → *Rvalue Compare Mag | Mag*
Compare → *== | < | > | <= | >= | != | <>*
Mag → *Mag + Term | Mag - Term | Term*
Term → *Term * Factor | Term / Factor | Factor*
Factor → *(Expr) | identifier | number*