Confiler Construction Assignment - 2 221-6795 6F M. Tony ob morking => Age List -> Avg | Avglist, Avg 3 what rewrite (renoving) Ager List -> As Avg Avg List Avg Lis List -> , Avg Avg List 1 =) I dentilist -> identifier, I dent list / identifier (contain ambiguity perforing left factoring) Ident list -> identifier Identlist Ident list -> , Identlist / 1 => Start list -> Startlist Start 11 (contain left recursion non remoing) Statlist _ Statlist Stutlist -> Stut Stutlist /1 => Rvalue -> Rvalue Conjeave Mag | Mag (Contain left rewrition non removing) 12 value -> Mag Rvalue Prable -> Compare Mag Rvalle / A

May -> Mag + Term / Mag - Term / Term ((it contain Ambiguity & left recursion, First per form to left fator) Mag -> Mag Mag Term, Mag -> + Term | - Term / no (now perform removing of left recursion) 1 Mag -> Term Mag" 2 Mag" -> Mag' Mag" / 1 3 Mag -> + Term | - Term => Term > Term > Factor Term / Factor | Factor (it contain ambiguity & kept rewriter , First left boutony) Term > Term Term / Factor Term -> * Factor / / Factor (no removing left removio) Torm -> Factor Term" Term 1 -> Term Term" 3-> Final Term -> * Factor / Factor => Type -> Adadi | Ashviya | Harf | Mater | Mantiqui (it contain amproprity perform left partoring) Type -> AType Harf | Ma Type Type -> dadi | shriya Type"->th Intigi

triguity nor doing left factoring)

-> L Comp' | E > Comp'' | == | !=

Final Solution

tunction -> Type identifier (ArgList) Comp Strut Arglist -> Arg Arglist Arglist -> , Arg Arglist / 1 Avg -> Type identifier Declaration -> Type Ident List: Type >> A Type / Harf / Ma Type" Type -> dadi | shriya Type" -> tn/ntigi 9 dent List -> identifier 9 dent List 9 dentlist -> , 9 dentlist . 1 1 Stmit -> For Stmit while Stmit (Expres If Start Comp Start Dedaration !: For Strut > for (Enpr:: Opt Enpr:: Opt Enpr:) Strut OptStmt -> Expr/1 While Start -> while (Expr) Start If Stut -> Agar (Enpr) Stmt. Else Part ElsePart -> Wagarna Strut / 1 CompStmt -> & StmtList } Stat List -> Statlist Statlist -> Start Start List /1 Empr-Sidentifier:=Empr/Pralme

Evalue -> Mag Evalue Rvalue' -> Lompare Mag Pralue' / 1 Conpare -> == \!= \ Llomp' \> Conp" Comp / -> = />/1 (omp11 -> = \1 Mag -> Term Mag" Mag" -> Mag'Mag" / 1 Mag -> + Term | - Term Term > Factor Term" Ferry Jerm" > Term" Term" Term' >> Factor / Factor Factor -> (Enpr) / identifier/number