|  |  |  |
| --- | --- | --- |
| Query   * QueryExpression | SelectExpression se | QueryExpression.FromExpressions = se.FromExpressions  QueryExpression.FromIdentifiers = se.FromIdentifiers  QueryExpression.WhereExpressions = se.WhereExpressions  QueryExpression. ProjExpressions = se.ProjExpressions |
| Query   * QueryExpression | SelectManyExpression sm | QueryExpression.FromExpressions = sm.FromExpressions  QueryExpression.FromIdentifiers = sm.FromIdentifiers  QueryExpression.WhereExpressions = sm.WhereExpressions  QueryExpression. ProjExpressions = sm.ProjExpressions |
| Query   * QueryExpression | WhereExpression(true) we | QueryExpression.FromExpressions = we.FromExpressions  QueryExpression.FromIdentifiers = we.FromIdentifiers  QueryExpression.WhereExpressions = we.BoolExpressions  QueryExpression. ProjExpressions = we.ProjExpressions |
| SelectExpression   * FromExpressions * FromIdentifiers * WhereExpressions * ProjExpressions | ConstantExpression ce  UnaryExpression ue | FromExpressions = {ce}  FromIdentifiers = {ue.Operand.Parameter[0]}  WhereExpressions = {}  ProjExpressions = {ue.Operand} |
| SelectExpression   * FromExpressions * FromIdentifiers * WhereExpressions * ProjExpressions | WhereExpression(false) we  UnaryExpression ue | FromExpressions = we.FromExpressions  FromIdentifiers = we.FromIdentifiers  WhereExpressions = we.BoolExpressions  ProjExpressions = we.ProjExpressions + {ue.Operand} |
| WhereExpression   * topLevel * FromExpressions * FromIdentifiers * BoolExpressions * ProjExpressions | ConstantExpression ce  UnaryExpression ue | FromExpressions = {ce}  FromIdentifiers = {ue.Operand.Parameter[0]}  BoolExpressions = {ue.Operand}  ProjExpressions = if (topLevel) {() => ue.Operand.Parameter[0]} else {} |
| WhereExpression   * topLevel * FromExpressions * FromIdentifiers * BoolExpressions * ProjExpressions | SelectManyExpression sm  UnaryExpression ue | FromExpressions = sm.FromExpressions  FromIdentifiers = sm.FromIdentifiers  BoolExpressions = sm.WhereExpressions + {ue.Operand}  ProjExpressions = sm.ProjExpressions |
| WhereExpression   * topLevel * FromExpressions * FromIdentifiers * BoolExpressions * ProjExpressions | WhereExpression(topLevel) we  UnaryExpression ue | FromExpressions = we.FromExpressions  FromIdentifiers = we.FromIdentifiers  BoolExpressions = we.BoolExpressions + {ue.Operand}  ProjExpressions = we.ProjExpressions |
| SelectManyExpression   * FromExpressions * FromIdentifiers * WhereExpressions * ProjExpressions | ConstantExpression ce  UnaryExpression ue1  UnaryExpression ue2 | FromExpressions = {ce,ue1.Operand}  FromIdentifiers = {ue2.Operand.Parameters[0], ue2.Operand.Parameters[1]}  WhereExpressions = {}  ProjExpressions = {ue2.Operand} |
| SelectManyExpression   * FromExpressions * FromIdentifiers * WhereExpressions * ProjExpressions | SelectManyExpression sm  UnaryExpression ue1  UnaryExpression ue2 | FromExpressions = sm.FromExpressions + {ue1.Operand}  FromIdentifiers = sm.FromIdentifiers + {ue2.Operand.Parameters[1]}  WhereExpressions = sm.WhereExpressions  ProjExpressions = sm.ProjExpressions + {ue2.Operand} |
| SelectManyExpression   * FromExpressions * FromIdentifiers * WhereExpressions * ProjExpressions | WhereExpression we  UnaryExpression ue1  UnaryExpression ue2 | FromExpressions = we.FromExpressions + {ue1.Operand}  FromIdentifiers = we.FromIdentifiers + {ue2.Operand.Parameters[1]}  WhereExpressions = we.BoolExpressions  ProjExpressions = we.ProjExpressions + {ue2.Operand} |