## Operator Precedence Levels.

Jeg startet med denne tabelen:

```
14
     := :-
13
     OR ELSE
12
     AND THEN
11
     EOV
10
     IMP
9
     OR
8
     AND
7
     NOT
6
     <<=>>==<>===/= IS IN
5
     * / //
4
3
     unary(+-) NOT QUA THIS
     . Remote access
```

## Og denne algoritmen:

Dette virka 'nesten bestandig' Jeg fikk bare trøbbel med level 1 og 2. Jeg har prøvd å bytte om DOT og QUA og trekke ut unary og det bedret situasjonen.

Men ikke helt.

## Til info: parsePrimaryExpression ser slik ut:

```
public static Expression parsePrimaryExpression()
{ // PrimaryExpression = ( Expression ) | Constant | ObjectGenerator
                       | LocalObject | UnaryOperation | Variable | SubscriptedVariable
  //
  //
        Constant = IntegerConstant | RealConstant | CharacterConstant
  //
                 | TextConstant | BooleanConstant | SymbolicValue
  //
        BooleanConstant = TRUE | FALSE
        Boolean-secondary = [ NOT ] Boolean-primary
  //
  //
        SymbolicValue = NONE | NOTEXT
        LocalObject = THIS ClassIdentifier
  //
  if (Parser.accept(KeyWord.BEGPAR)) { Expression expr=parseExpression();
                                       Parser.expect(KeyWord.ENDPAR); return(expr); }
  else if(Parser.accept(KeyWord.INTEGERKONST)) return(new
                                 Constant(Type.Integer, Parser.prevToken.getValue()));
  else if(Parser.accept(KeyWord.REALKONST)) return(new
                                 Constant(Type.LongReal, Parser.prevToken.getValue()));
  else if(Parser.accept(KeyWord.BOOLEANKONST)) return(new
                                 Constant(Type.Boolean, Parser.prevToken.getValue()));
  else if(Parser.accept(KeyWord.CHARACTERKONST)) return(new
                                 Constant(Type.Character, Parser.prevToken.getValue()));
  else if(Parser.accept(KeyWord.TEXTKONST)) return(new
                                 Constant(Type.Text, Parser.prevToken.getValue()));
  else if(Parser.accept(KeyWord.NONE)) return(new Constant(Type.Ref,null));
  else if(Parser.accept(KeyWord.NOTEXT)) return(new Constant(Type.Text,null));
  else if(Parser.accept(KeyWord.NEW)) return(ObjectGenerator.parse()); // TODO
  else if(Parser.accept(KeyWord.THIS)) return(LocalObject.acceptThisIdentifier());
  else if(Parser.accept(KeyWord.PLUS)) return(parseUnaryOperation());
  else if(Parser.accept(KeyWord.MINUS)) return(parseUnaryOperation());
  else if(Parser.accept(KeyWord.NOT))
      { // Boolean-secondary = [ NOT ] Boolean-primary
        Expression expr=parseBooleanPrimary();
        expr=new UnaryOperation(KeyWord.NOT,expr);
        return(expr);
  else if(Parser.accept(KeyWord.IF))
    { Expression condition=parseExpression();
      Parser.expect(KeyWord.THEN); Expression thenExpression=parseSimpleExpression();
      Parser.expect(KeyWord.ELSE); Expression elseExpression=parseExpression();
      Expression expr=new
                ConditionalExpression(Type. Boolean, condition, then Expression, else Expression);
      if(Option.TRACE_PARSE) Util.TRACE("Expression: parsePrimaryExpression, result="+expr);
      return(expr);
  else
    { String ident=acceptIdentifier();
      if(ident!=null) return(Variable.parse(ident));
      return(null);
    }
}
```