

## 0.1 Parse Tree

Parse tree are nearly the same as a abstract syntax tree, but here all internal nodes are labelled with a non-terminal symbol and all leaf labelled with a terminal symbol. Also a sub-tree describe one instance abstraction of a sentence.

To help understand the different between abstract syntax tree and parse tree there will be made one of both over the same variable declaration in code for the project language.

```
1      int x <-- 3+(3*2);
```

Listing 1: a simple variable declaration in the project language

