

Brendan Van Allen
Lab 4

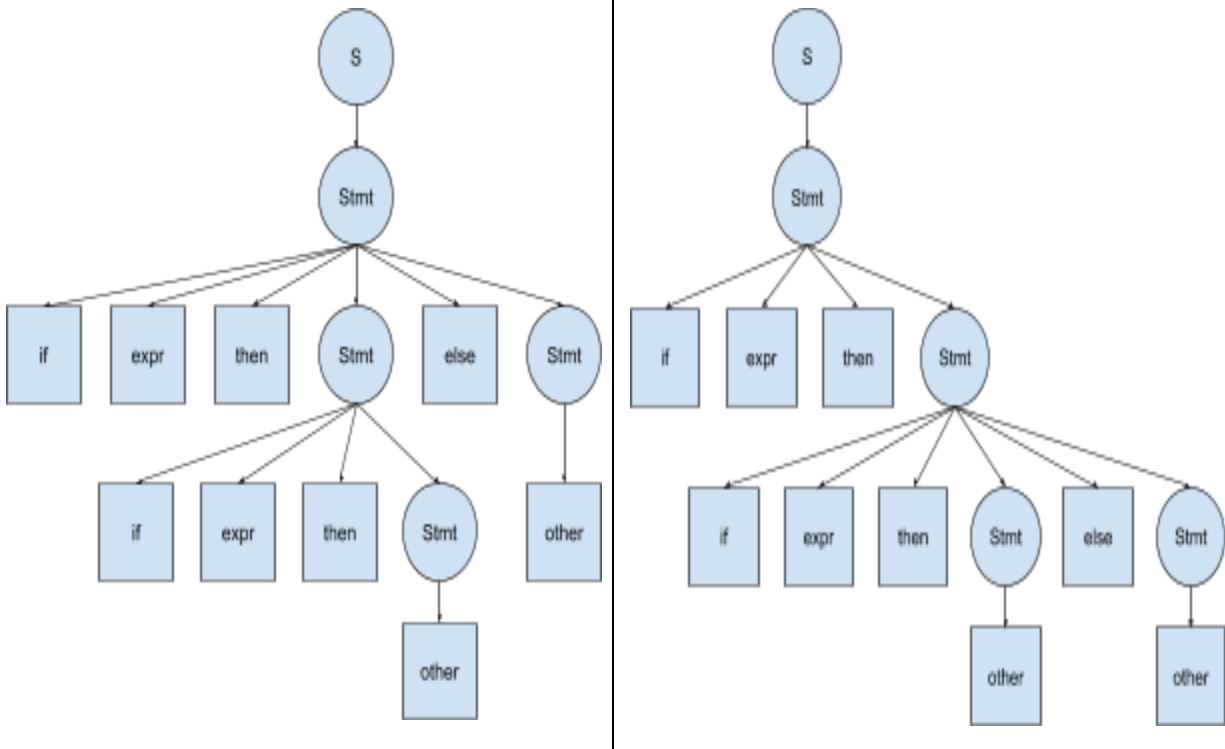
CaC 4.9

Non-terminal	FIRST	FOLLOW
S	{a, b, c, d}	{e, \$}
B	{b, c, d}	{e, \$}
C	{c, d}	{e, \$}

(seems like they might be using e as the EOP symbol, but I added our normal one in case e is just a regular terminal)

CaC 5.10

Parse Trees:



In both parse trees, it is relatively easy to see the correspondence of *then* and *else*: each *else* corresponds to the *then* that is on the same level of the tree. This does make for different meaning in the code, even though both trees are derived from the same source code. The first parse tree's *else* corresponds to the outer *then*, while the second parse tree's *else* corresponds to the inner *then*.

Dragon 4.4.3

Non-terminal	FIRST	FOLLOW
5	{a}	{\$, a, +, *}
S	{a}	{a, +, *}