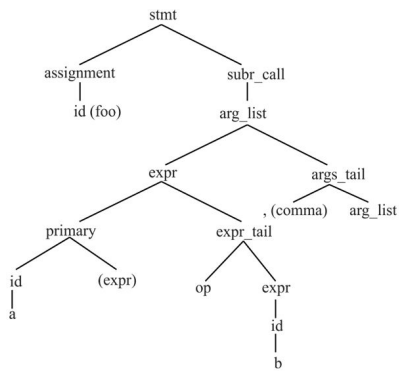


P108:2.12 (a & b only):

- A. This grammar translated to English consists of all strings of a's and b's which ends by a specified marker that lies at the end point of the given grammar in which there are more a's than b's
- B. TL;DR

P108:2.13 (a & b only):

A.



B.

$stmt \rightarrow assignment, subr_call$

$subr_call \rightarrow \underline{arg_list}$

$arg_list \rightarrow expr, \underline{args_tail}$

$args_tail \rightarrow , , \underline{arg_list}$

$expr \rightarrow primary, \underline{expr_tail}$

$expr_tail \rightarrow op, \underline{expr}$

$expr \rightarrow id$

$expr \rightarrow \underline{primary}, expr_tail$

$primary \rightarrow id, expr$

$assignment \rightarrow id$

P109:2.17

...

...

...

...

stmt → if *condition* then *stmt* _list fi
→ while *condition* do *stmt* _list od

condition → *expr* *relation* *expr*

relation → <
→ >
→ <=
→ >=
→ =
→ !=