- - ==> <global_assignment><global_vars> <otherFunctions>
 <mainFunction>
 - ==> <primitive_type> ID ASSIGN_OP <const_value> SEMI_CL
 <global vars> <otherFunction> <mainFunction>
 - ==> <primitive_type> ID ASSIGN_OP <const_value> SEMI_CL
 <global_vars> <otherFunction> <mainFunction>
 - ==> INT ID ASSIGN_OP <const_value> SEMI_CL <global_vars>
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 - ==> INT ID ASSIGN_OP NUM SEMI_CL <global_vars>
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 - ==> INT ID ASSIGN_OP NUM SEMI_CL <global_assignment>
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 - ==> INT ID ASSIGN_OP NUM SEMI_CL <pri>primitive_type> ID ASSIGN_OP <const_value> SEMI_CL <global_vars> <otherFunctions> <mainFunction>
 - ==> INT ID ASSIGN_OP NUM SEMI_CL <primitive_type> ID
 ASSIGN_OP <const_value> SEMI_CL <global_vars> <otherFunctions>
 <mainFunction>
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 <const_value> SEMI_CL <global_vars> <otherFunctions>
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 - ==> INT ID ASSIGN_OP NUM SEMI_CL INT ID ASSIGN_OP NUM SEMI CL <global vars> <otherFunctions> <mainFunction>
 - ==> INT ID ASSIGN_OP NUM SEMI_CL INT ID ASSIGN_OP NUM SEMI_CL <otherFunction>
 - ==> INT ID ASSIGN_OP NUM SEMI_CL INT ID ASSIGN_OP NUM SEMI CL MAIN LPARA RPARA LBRACE <mainFunction>
 - ==> INT ID ASSIGN_OP NUM SEMI_CL INT ID ASSIGN_OP NUM SEMI CL MAIN LPARA RPARA LBRACE <stmts>
 - ==> INT ID ASSIGN_OP NUM SEMI_CL INT ID ASSIGN_OP NUM SEMI CL MAIN LPARA RPARA LBRACE <stmt><stmts>
 - ==> INT ID ASSIGN_OP NUM SEMI_CL INT ID ASSIGN_OP NUM SEMI CL MAIN LPARA RPARA LBRACE <gen stmt><stmts>
 - ==> INT ID ASSIGN_OP NUM SEMI_CL INT ID ASSIGN_OP NUM SEMI CL MAIN LPARA RPARA LBRACE <other stmt><stmt>>

 - ==> INT ID ASSIGN_OP NUM SEMI_CL INT ID ASSIGN_OP NUM SEMI_CL MAIN LPARA RPARA LBRACE <pri>drimitive_type> ID <assign more><stmts>

- ==> INT ID ASSIGN_OP NUM SEMI_CL INT ID ASSIGN_OP NUM SEMI CL MAIN LPARA RPARA LBRACE INT ID <assign more><stmts>
- ==> INT ID ASSIGN_OP NUM SEMI_CL INT ID ASSIGN_OP NUM SEMI_CL MAIN LPARA RPARA LBRACE INT ID ASSIGN_OP <expression> <assign comma><stmts>
- ==> INT ID ASSIGN_OP NUM SEMI_CL INT ID ASSIGN_OP NUM SEMI_CL MAIN LPARA RPARA LBRACE INT ID ASSIGN_OP <and expr><expression'> <assign comma><stmts>
- ==> INT ID ASSIGN_OP NUM SEMI_CL INT ID ASSIGN_OP NUM SEMI_CL MAIN LPARA RPARA LBRACE INT ID ASSIGN_OP <reln expr><and expr'><expression'> <assign comma><stmts>
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 SEMI_CL MAIN LPARA RPARA LBRACE INT ID ASSIGN_OP
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- ==> INT ID ASSIGN_OP NUM SEMI_CL INT ID ASSIGN_OP NUM

 SEMI_CL MAIN LPARA RPARA LBRACE INT ID ASSIGN_OP

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- ==> INT ID ASSIGN_OP NUM SEMI_CL INT ID ASSIGN_OP NUM
 SEMI_CL MAIN LPARA RPARA LBRACE INT ID ASSIGN_OP <typecast>
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 SEMI_CL MAIN LPARA RPARA LBRACE INT ID ASSIGN_OP <value>

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- ==> INT ID ASSIGN_OP NUM SEMI_CL INT ID ASSIGN_OP NUM
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- ==> INT ID ASSIGN_OP NUM SEMI_CL INT ID ASSIGN_OP NUM SEMI_CL MAIN LPARA RPARA LBRACE INT ID ASSIGN_OP NUM <reln expr'><and expr'><expression'> <assign comma><stmts>
- ==> INT ID ASSIGN_OP NUM SEMI_CL INT ID ASSIGN_OP NUM SEMI_CL MAIN LPARA RPARA LBRACE INT ID ASSIGN_OP NUM <and expr'><expression'> <assign comma><stmts>
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 SEMI_CL MAIN LPARA RPARA LBRACE INT ID ASSIGN_OP NUM
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- ==> INT ID ASSIGN_OP NUM SEMI_CL INT ID ASSIGN_OP NUM SEMI_CL MAIN LPARA RPARA LBRACE INT ID ASSIGN_OP NUM SEMI_CL <other stmt> <stmts>
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- ==> INT ID ASSIGN_OP NUM SEMI_CL INT ID ASSIGN_OP NUM SEMI_CL MAIN LPARA RPARA LBRACE INT ID ASSIGN_OP NUM SEMI_CL

 decl stmt><stmts>
- ==> INT ID ASSIGN_OP NUM SEMI_CL INT ID ASSIGN_OP NUM SEMI_CL MAIN LPARA RPARA LBRACE INT ID ASSIGN_OP NUM SEMI_CL BOT ID
bot rest><stmts>
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 SEMI_CL MAIN LPARA RPARA LBRACE INT ID ASSIGN_OP NUM SEMI_CL
- ==> INT ID ASSIGN_OP NUM SEMI_CL INT ID ASSIGN_OP NUM SEMI_CL MAIN LPARA RPARA LBRACE INT ID ASSIGN_OP NUM SEMI_CL BOT ID SEMI CL FW ID COMMA <expression> SEMI CL <stmts>
- ==> INT ID ASSIGN_OP NUM SEMI_CL INT ID ASSIGN_OP NUM SEMI_CL MAIN LPARA RPARA LBRACE INT ID ASSIGN_OP NUM SEMI_CL BOT ID SEMI_CL FW ID COMMA <and_expr><expression'> SEMI_CL <stmts>
- ==> INT ID ASSIGN_OP NUM SEMI_CL INT ID ASSIGN_OP NUM
 SEMI_CL MAIN LPARA RPARA LBRACE INT ID ASSIGN_OP NUM SEMI_CL
 BOT ID SEMI_CL FW ID COMMA <reln_expr><and_expr'><expression'>
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- ==> INT ID ASSIGN_OP NUM SEMI_CL INT ID ASSIGN_OP NUM SEMI_CL MAIN LPARA RPARA LBRACE INT ID ASSIGN_OP NUM SEMI_CL BOT ID SEMI_CL FW ID COMMA
- <add_sub_expr><reln_expr'><and_expr'><expression'> SEMI_CL
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- <mul_div_expr'><add_sub_expr'><reln_expr'><and_expr'><expressio n'> SEMI CL <stmts>
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- <reln expr'><and expr'><expression'> SEMI CL <stmts>
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 BOT ID SEMI_CL FW ID COMMA NUM <and_expr'><expression'> SEMI_CL
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- ==> INT ID ASSIGN_OP NUM SEMI_CL INT ID ASSIGN_OP NUM SEMI_CL MAIN LPARA RPARA LBRACE INT ID ASSIGN_OP NUM SEMI_CL BOT ID SEMI CL FW ID COMMA NUM SEMI CL

 Set stmt> <stmt>
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 BOT ID SEMI_CL FW ID COMMA NUM SEMI_CL FW ID COMMA <expression>
 SEMI CL <stmts>
- ==> INT ID ASSIGN_OP NUM SEMI_CL INT ID ASSIGN_OP NUM SEMI_CL MAIN LPARA RPARA LBRACE INT ID ASSIGN_OP NUM SEMI_CL BOT ID SEMI_CL FW ID COMMA NUM SEMI_CL FW ID COMMA <and_expr><expression'> SEMI_CL <stmts>
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 SEMI_CL MAIN LPARA RPARA LBRACE INT ID ASSIGN_OP NUM SEMI_CL
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 BOT ID SEMI_CL FW ID COMMA NUM SEMI_CL FW ID COMMA <value>
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- <const_value>
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 SEMI_CL MAIN LPARA RPARA LBRACE INT ID ASSIGN_OP NUM SEMI_CL
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 <stmt><stmt>>
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- BOT ID SEMI_CL FW ID COMMA NUM SEMI_CL FW ID COMMA NUM SEMI_CL <gen stmt><stmts>
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 SEMI_CL MAIN LPARA RPARA LBRACE INT ID ASSIGN_OP NUM SEMI_CL
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 COMMENT ST <ascii text> <stmts>
- ==> INT ID ASSIGN_OP NUM SEMI_CL INT ID ASSIGN_OP NUM
 SEMI_CL MAIN LPARA RPARA LBRACE INT ID ASSIGN_OP NUM SEMI_CL
 BOT ID SEMI_CL FW ID COMMA NUM SEMI_CL FW ID COMMA NUM SEMI_CL
 COMMENT ST ASCII CHAR <ascii text> <stmts>
- ==> INT ID ASSIGN_OP NUM SEMI_CL INT ID ASSIGN_OP NUM
 SEMI_CL MAIN LPARA RPARA LBRACE INT ID ASSIGN_OP NUM SEMI_CL
 BOT ID SEMI_CL FW ID COMMA NUM SEMI_CL FW ID COMMA NUM SEMI_CL
 COMMENT_ST ASCII_CHAR ASCII_CHAR <ascii_text> <stmts>
- ==> INT ID ASSIGN_OP NUM SEMI_CL INT ID ASSIGN_OP NUM
 SEMI_CL MAIN LPARA RPARA LBRACE INT ID ASSIGN_OP NUM SEMI_CL
 BOT ID SEMI_CL FW ID COMMA NUM SEMI_CL FW ID COMMA NUM SEMI_CL
 COMMENT_ST ASCII_CHAR ASCII_CHAR ASCII_CHAR <ascii_text>
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 SEMI_CL MAIN LPARA RPARA LBRACE INT ID ASSIGN_OP NUM SEMI_CL
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 ASCII_CHAR <ascii_text> <stmts>
- ==> INT ID ASSIGN_OP NUM SEMI_CL INT ID ASSIGN_OP NUM
 SEMI_CL MAIN LPARA RPARA LBRACE INT ID ASSIGN_OP NUM SEMI_CL
 BOT ID SEMI_CL FW ID COMMA NUM SEMI_CL FW ID COMMA NUM SEMI_CL
 COMMENT_ST ASCII_CHAR ASCII_CHAR ASCII_CHAR ASCII_CHAR
 ASCII CHAR ASCII CHAR <ascii text> <stmts>

- ==> INT ID ASSIGN_OP NUM SEMI_CL INT ID ASSIGN_OP NUM
 SEMI_CL MAIN LPARA RPARA LBRACE INT ID ASSIGN_OP NUM SEMI_CL
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- ==> INT ID ASSIGN_OP NUM SEMI_CL INT ID ASSIGN_OP NUM
 SEMI_CL MAIN LPARA RPARA LBRACE INT ID ASSIGN_OP NUM SEMI_CL
 BOT ID SEMI_CL FW ID COMMA NUM SEMI_CL FW ID COMMA NUM SEMI_CL
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 ASCII_CHAR ASCII_CHAR ASCII_CHAR ASCII_CHAR <ascii_text>
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 SEMI_CL MAIN LPARA RPARA LBRACE INT ID ASSIGN_OP NUM SEMI_CL
 BOT ID SEMI_CL FW ID COMMA NUM SEMI_CL FW ID COMMA NUM SEMI_CL
 COMMENT_ST ASCII_CHAR ASCII_CHAR ASCII_CHAR ASCII_CHAR
 ASCII_CHAR ASCII_CHAR ASCII_CHAR ASCII_CHAR
 ASCII_CHAR <ascii text> <stmts>
- ==> INT ID ASSIGN_OP NUM SEMI_CL INT ID ASSIGN_OP NUM
 SEMI_CL MAIN LPARA RPARA LBRACE INT ID ASSIGN_OP NUM SEMI_CL
 BOT ID SEMI_CL FW ID COMMA NUM SEMI_CL FW ID COMMA NUM SEMI_CL
 COMMENT_ST ASCII_CHAR ASCII_CHAR ASCII_CHAR ASCII_CHAR
 ASCII_CHAR ASCII_CHAR ASCII_CHAR ASCII_CHAR
 ASCII_CHAR ASCII_CHAR <a scii_text> < stmts>
- ==> INT ID ASSIGN_OP NUM SEMI_CL INT ID ASSIGN_OP NUM
 SEMI_CL MAIN LPARA RPARA LBRACE INT ID ASSIGN_OP NUM SEMI_CL
 BOT ID SEMI_CL FW ID COMMA NUM SEMI_CL FW ID COMMA NUM SEMI_CL
 COMMENT_ST ASCII_CHAR ASCII_CHAR ASCII_CHAR ASCII_CHAR
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 ASCII_CHAR ASCII_CHAR ASCII_CHAR <ascii_text> <stmts>
- ==> INT ID ASSIGN_OP NUM SEMI_CL INT ID ASSIGN_OP NUM
 SEMI_CL MAIN LPARA RPARA LBRACE INT ID ASSIGN_OP NUM SEMI_CL
 BOT ID SEMI_CL FW ID COMMA NUM SEMI_CL FW ID COMMA NUM SEMI_CL
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 <stmts>

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SEMI_CL MAIN LPARA RPARA LBRACE INT ID ASSIGN_OP NUM SEMI_CL
BOT ID SEMI_CL FW ID COMMA NUM SEMI_CL FW ID COMMA NUM SEMI_CL
COMMENT_ST ASCII_CHAR ASCII_CHAR ASCII_CHAR ASCII_CHAR
ASCII_CHAR ASCII_CHAR ASCII_CHAR ASCII_CHAR ASCII_CHAR
ASCII_CHAR ASCII_CHAR ASCII_CHAR ASCII_CHAR COMMENT_END <stmts>
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SEMI_CL MAIN LPARA RPARA LBRACE INT ID ASSIGN_OP NUM SEMI_CL
BOT ID SEMI_CL FW ID COMMA NUM SEMI_CL FW ID COMMA NUM SEMI_CL
COMMENT_ST ASCII_CHAR ASCII_CHAR ASCII_CHAR ASCII_CHAR
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