

root	=>		pragma_s	=>	
	=> xd_high_page	:num_val		=> as_list	:pragma
	=> xd_user_root	: <u>user_root</u>		=> lx_srcpos	:Source_Position
	=> xd_source_list	:sourceline		;	
	=> xd_err_count	:num_val	symbol_rep	=>	
	=> spare_1	:void		=> xd_text	:txtrep
	;			=> xd_deflist	:DEF_NAME
sourceline	=>			;	
	=> xd_number	:num_val	false	=>	
	=> xd_error_list	:error		;	
	;		true	=>	
num_val	=>			;	
	;		nil	=>	
error	=>			;	
	=> xd_srcpos	:Source_Position	list	=>	
	=> xd_text	:txtrep		=> xd_head	:void
	;			=> xd_tail	:void
txtrep	=>			;	
	;		hash	=>	
user_root	=>			=> xd_list	:symbol_rep
	=> xd_sourcename	:txtrep		;	
	=> xd_grammar	:void	void	=>	
	=> xd_statelist	:void		;	
	=> xd_structure	: <u>compilation</u>	ALL_SOURCE > CONTEXT_ELEM		
	=> xd_timestamp	:Integer	context_elem_s	=>	
	=> spare_3	:void		=> as_list	: <u>CONTEXT_ELEM</u>
	;			=> lx_srcpos	:Source_Position
compilation	=>			;	
	=> as_compltn_unit_s	: <u>compltn_unit_s</u>			
	=> lx_srcpos	:Source_Position	context_pragma	=>	
	;			=> as_pragma	:pragma
compltn_unit_s	=>			=> lx_srcpos	:Source_Position
	=> as_list	: <u>compilation_unit</u>		;	
	=> lx_srcpos	:Source_Position	with	=>	
	;			=> as_name_s	: <u>name_s</u>
compilation_unit	=>	(<u>explications</u>)		=> as_use_pragma_s	: <u>use_pragma_s</u>
	=> as_context_elem_s	: <u>context_elem_s</u>		=> lx_srcpos	:Source_Position
	=> as_all_decl	: <u>ALL_DECL</u>		;	
	=> as_pragma_s	: <u>pragma_s</u>			
	=> lx_srcpos	:Source_Position			
	=> xd_timestamp	:Integer			
	=> xd_with_list	:trans_with			
	=> xd_nbr_pages	:Integer			
	=> xd_parent	:compilation_unit			
	=> xd_lib_name	: <u>symbol_rep</u>			
	;				

ALL_SOURCE > ALL_DECL subunit => => as_name :NAME => as_subunit_body :SUBUNIT_BODY => lx_srcpos :Source_Position ; block_master => => lx_srcpos :Source_Position => sm_stm :STM ;	ALL_SOURCE > ALL_DECL > ITEM > DECL > ID_DECL type_decl => => as_source_name :SOURCE_NAME => as_dscrmnt_decl_s :dscrmnt_decl_s => as_type_def :TYPE_DEF => lx_srcpos :Source_Position ; subtype_decl => => as_source_name :SOURCE_NAME => as_subtype_indication :subtype_indication => lx_srcpos :Source_Position ; task_decl => => as_source_name :SOURCE_NAME => as_decl_s :decl_s => lx_srcpos :Source_Position ;	> ITEM > DECL > ID_DECL > UNIT_DECL > NON_GENERIC_DECL subprog_entry_decl => => as_source_name :SOURCE_NAME => as_header :HEADER => as_unit_kind :UNIT_KIND => lx_srcpos :Source_Position ; package_decl => => as_source_name :SOURCE_NAME => as_header :HEADER => as_unit_kind :UNIT_KIND => lx_srcpos :Source_Position ;
ALL_SOURCE > ALL_DECL > ITEM item_s => => as_list : <u>ITEM</u> => lx_srcpos :Source_Position ;		DECL > ITEM > DECL > ID_S_DECL exception_decl => => as_source_name_s :source_name_s => lx_srcpos :Source_Position ; deferred_constant_decl => : <u>(explanations)</u> => as_source_name_s :source_name_s => as_name :NAME => lx_srcpos :Source_Position ;
ALL_SOURCE > ALL_DECL > ITEM > SUBUNIT_BODY subprogram_body => => as_source_name :SOURCE_NAME => as_body : <u>BODY</u> => as_header : <u>HEADER</u> => lx_srcpos :Source_Position ; package_body => => as_source_name :SOURCE_NAME => as_body : <u>BODY</u> => lx_srcpos :Source_Position ; task_body => => as_source_name :SOURCE_NAME => as_body : <u>BODY</u> => lx_srcpos :Source_Position ;	> ALL_DECL > ITEM > DECL > ID_DECL > SIMPLE_RENAME renames_obj_decl => => as_source_name :SOURCE_NAME => as_name :NAME => as_type_mark_name :NAME => lx_srcpos :Source_Position ; renames_exc_decl => => as_source_name :SOURCE_NAME => as_name :NAME => lx_srcpos :Source_Position ;	> ITEM > DECL > ID_S_DECL > EXP_DECL number_decl => : <u>(explanations)</u> => as_source_name_s :source_name_s => as_exp :EXP => lx_srcpos :Source_Position ;
ALL_SOURCE > ALL_DECL > ITEM > DECL decl_s => => as_list :DECL => lx_srcpos :Source_Position ; null_comp_decl => => lx_srcpos :Source_Position ;	> ALL_DECL > ITEM > DECL > ID_DECL > UNIT_DECL generic_decl => => as_source_name :SOURCE_NAME => as_header : <u>HEADER</u> => as_item_s :item_s => lx_srcpos :Source_Position ;	> ITEM > DECL > ID_S_DECL > EXP_DECL > OBJECT_DECL constant_decl => => as_source_name_s :source_name_s => as_exp :EXP => as_type_def : <u>TYPE_DEF</u> => lx_srcpos :Source_Position ; variable_decl => => as_source_name_s :source_name_s => as_exp :EXP => as_type_def : <u>TYPE_DEF</u> => lx_srcpos :Source_Position ;

ALL_SOURCE > ALL_DECL > ITEM > DECL > REP		ALL_SOURCE > ALL_DECL > ITEM > DSCRMT_PARAM_DECL	
record_rep	=> => as_name :NAME => as_alignment_clause:ALIGNMENT_CLAUSE => as_comp_rep_s :comp_rep_s => lx_srcpos :Source_Position ;	dscrmt_decl_s	=> => as_list :dscrmt_decl => lx_srcpos :Source_Position ;
ALL_SOURCE > ALL_DECL > ITEM > DECL > REP > NAMED_REP		dscrmt_decl	
address	=> => as_name :NAME => as_exp :EXP => lx_srcpos :Source_Position ;	=> => as_source_name_s :source_name_s => as_name :NAME => as_exp :EXP => lx_srcpos :Source_Position ;	
length_enum_rep	=> => as_name :NAME => as_exp :EXP => lx_srcpos :Source_Position ;	ALL_SOURCE > ALL_DECL > ITEM > DSCRMT_PARAM_DECL > PARAM	
ALL_SOURCE > ALL_DECL > ITEM > DECL > USE_PRAGMA		param_s	
use_pragma_s	=> => as_list :USE_PRAGMA => lx_srcpos :Source_Position ;	=> => as_list :PARAM => lx_srcpos :Source_Position ;	
use	=> => as_name_s :name_s => lx_srcpos :Source_Position ;	in	
pragma	=> => as_used_name_id :used_name_id => as_general_assoc_s :general_assoc_s => lx_srcpos :Source_Position ;	=> => as_source_name_s :source_name_s => as_name :NAME => as_exp :EXP => lx_srcpos :Source_Position => lx_default :BOOLEAN ;;	
		out	
		=> => as_source_name_s :source_name_s => as_name :NAME => as_exp :EXP => lx_srcpos :Source_Position ;	
		in_out	
		=> => as_source_name_s :source_name_s => as_name :NAME => as_exp :EXP => lx_srcpos :Source_Position ;	

ALL_SOURCE > ALIGNMENT_CLAUSE			ALL_SOURCE > UNIT_DESC > BODY			ALL_SOURCE > UNIT_DESC > UNIT_KIND		
alignment	=>		block_body	=>		renames_unit	=>	
	=> as_pragma_s	:pragma_s		=> as_item_s	: <u>item_s</u>		=> as_name	:NAME
	=> as_exp	:EXP		=> as_stm_s	: <u>stm_s</u>		=> lx_srcpos	:Source_Position
	=> lx_srcpos	:Source_Position		=> as_alternative_s	: <u>alternative_s</u>			
	;			=> lx_srcpos	:Source_Position	instantiation	=>	
ALL_SOURCE > COMP_REP_ELEM				=> cd_level	:Integer		=> as_name	:NAME
comp_rep_s	=>			=> cd_return_label	:Integer		=> as_general_assoc_s	:general_assoc_s
	=> as_list	:COMP_REP_ELEM		=> cd_result_offset	:Integer		=> lx_srcpos	:Source_Position
	=> lx_srcpos	:Source_Position	stub	;			=> sm_decl_s	:decl_s
	;			=>			;	
				=> lx_srcpos	:Source_Position	name_default	=>	
				;			=> as_name	:NAME
comp_rep	=>		ALL_SOURCE > ALTERNATIVE_ELEM				=> lx_srcpos	:Source_Position
	=> as_name	:NAME	alternative_s	=>		box_default	=>	
	=> as_exp	:EXP		=> as_list	:ALTERNATIVE_ELEM		=> lx_srcpos	:Source_Position
	=> as_range	:RANGE		=> lx_srcpos	:Source_Position		;	
	=> lx_srcpos	:Source_Position		;		no_default	=>	
	;						=> lx_srcpos	:Source_Position
comp_rep_pragma	=>		alternative	=>			;	
	=> as_pragma	:pragma		=> as_choice_s	: <u>choice_s</u>			
	=> lx_srcpos	:Source_Position		=> as_stm_s	:stm_s			
	;			=> lx_srcpos	:Source_Position			
ALL_SOURCE > HEADER			alternative_pragma	=>				
package_spec	=>			=> as_pragma	:pragma			
	=> as_decl_s1	:decl_s		=> lx_srcpos	:Source_Position			
	=> as_decl_s2	:decl_s		;				
	=> lx_srcpos	:Source_Position						
	=> xd_body_is_required	:BOOLEAN	ALL_SOURCE > CHOICE					
	;		choice_s	=>				
				=> as_list	:CHOICE			
				=> lx_srcpos	:Source_Position			
				=> cd_label	:Integer			
				;				
ALL_SOURCE > HEADER > SUBP_ENTRY_HEADER			choice_exp	=>				
procedure_spec	=>			=> as_exp	:EXP			
	=> as_param_s	: <u>param_s</u>		=> lx_srcpos	:Source_Position			
	=> lx_srcpos	:Source_Position		;				
	;		choice_range	=>				
function_spec	=>			=> as_discrete_range	:DISCRETE_RANGE			
	=> as_param_s	: <u>param_s</u>		=> lx_srcpos	:Source_Position			
	=> as_name	:NAME		;				
	=> lx_srcpos	:Source_Position	choice_others	=>				
	;			=> lx_srcpos	:Source_Position			
entry	=>			;				
	=> as_param_s	: <u>param_s</u>						
	=> as_discrete_range	:DISCRETE_RANGE						
	=> lx_srcpos	:Source_Position						
	;							

ALL_SOURCE > TYPE_DEF enumeration_def => => as_enum_literal_s :enum_literal_s => lx_srcpos :Source_Position ; record_def => => as_comp_list : <u>comp_list</u> => lx_srcpos :Source_Position ; formal_integer_def => => lx_srcpos :Source_Position ; formal_fixed_def => => lx_srcpos :Source_Position ; formal_float_def => => lx_srcpos :Source_Position ; private_def => => lx_srcpos :Source_Position ; l_private_def => => lx_srcpos :Source_Position ; 	ALL_SOURCE > TYPE_DEF > ARR_ACC_DER_DEF constrained_array_def => => as_subtype_indication :subtype_indication => as_constraint : <u>CONSTRAINT</u> => lx_srcpos :Source_Position ; unconstrained_array_def => => as_subtype_indication :subtype_indication => as_index_s : <u>index_s</u> => lx_srcpos :Source_Position ; access_def => => as_subtype_indication :subtype_indication => lx_srcpos :Source_Position ; derived_def => => as_subtype_indication :subtype_indication => lx_srcpos :Source_Position => xd_derived_subprog_list :SUBPROG_NAME ; formal_ds crt_def => => lx_srcpos :Source_Position ; 	ALL_SOURCE > VARIANT_PART variant_part => => as_name :NAME => as_variant_s :variant_s => lx_srcpos :Source_Position ;
ALL_SOURCE > TYPE_DEF > CONSTRAINED_DEF subtype_indication => => as_constraint : <u>CONSTRAINT</u> => as_name :NAME => lx_srcpos :Source_Position ; integer_def => => as_constraint : <u>CONSTRAINT</u> => lx_srcpos :Source_Position ; float_def => => as_constraint : <u>CONSTRAINT</u> => lx_srcpos :Source_Position ; fixed_def => => as_constraint : <u>CONSTRAINT</u> => lx_srcpos :Source_Position ; 	ALL_SOURCE > index index_s => => as_list :index => lx_srcpos :Source_Position ; 	ALL_SOURCE > VARIANT_ELEM variant_s => => as_list :VARIANT_ELEM => lx_srcpos :Source_Position ;
	index => => as_name :NAME => lx_srcpos :Source_Position => sm_type_spec :TYPE_SPEC ; 	variant => => as_choice_s : <u>choice_s</u> => as_comp_list :comp_list => lx_srcpos :Source_Position ; variant_pragma => => as_pragma :pragma => lx_srcpos :Source_Position ;
	ALL_SOURCE > comp_list comp_list => => as_decl_s :decl_s => as_variant_part :VARIANT_PART => as_pragma_s :pragma_s => lx_srcpos :Source_Position ; 	ALL_SOURCE > CONSTRAINT index_constraint => => as_discrete_range_s : <u>discrete_range_s</u> => lx_srcpos :Source_Position ; ds crtmt_constraint => => as_general_assoc_s :general_assoc_s => lx_srcpos :Source_Position ;
		ALL_SOURCE > CONSTRAINT > REAL_CONSTRAINT float_constraint => => as_exp :EXP => as_range :RANGE => lx_srcpos :Source_Position => sm_type_spec :TYPE_SPEC ; fixed_constraint => => as_exp :EXP => as_range :RANGE => lx_srcpos :Source_Position => sm_type_spec :TYPE_SPEC ;

ALL_SOURCE > CONSTRAINT > DISCRETE_RANGE		
discrete_range_s	=>	
	=> as_list	:DISCRETE_RANGE
	=> lx_srcpos	:Source_Position
	;	
discrete_subtype	=>	
	=> as_subtype_indication	
	:subtype_indication	
	=> lx_srcpos	:Source_Position
	;	
ALL_SOURCE > CONSTRAINT > DISCRETE_RANGE > RANGE		
range	=>	
	=> as_exp1	:EXP
	=> as_exp2	:EXP
	=> lx_srcpos	:Source_Position
	=> sm_type_spec	:TYPE_SPEC
	;	
range_attribute	=>	
	=> as_name	:NAME
	=> as_used_name_id	:used_name_id
	=> as_exp	:EXP
	=> lx_srcpos	:Source_Position
	=> sm_type_spec	:TYPE_SPEC
	;	

ALL_SOURCE > STM_ELEM stm_s => => as_list => lx_srcpos :STM_ELEM :Source_Position ; stm_pragma => => as_pragma => lx_srcpos :pragma :Source_Position ;	ALL_SOURCE > STM_ELEM > STM > STM_WITH_EXP return => => as_exp => lx_srcpos :EXP :Source_Position ; case => => as_exp => as_alternative_s => lx_srcpos :EXP : <u>alternative_s</u> :Source_Position ; delay => => as_exp => lx_srcpos :EXP :Source_Position ;	ALL_SOURCE > STM_ELEM > STM > STM_WITH_NAME > CALL_STM entry_call => => as_name => as_general_assoc_s => lx_srcpos :NAME :general_assoc_s :Source_Position => sm_normalized_param_s :exp_s ; procedure_call => => as_name => as_general_assoc_s => lx_srcpos :NAME :general_assoc_s :Source_Position => sm_normalized_param_s :exp_s ;
ALL_SOURCE > STM_ELEM > STM null_stm => => lx_srcpos :Source_Position ; labeled => => as_source_name_s => as_pragma_s => as_stm => lx_srcpos :source_name_s :pragma_s :STM :Source_Position ; abort => => as_name_s => lx_srcpos :name_s :Source_Position ; accept => => as_name => as_param_s => as_stm_s => lx_srcpos :NAME :param_s :stm_s :Source_Position ; terminate => => lx_srcpos :Source_Position ;	> STM_ELEM > STM > STM_WITH_EXP > STM_WITH_EXP_NAME exit => => as_exp => as_name => lx_srcpos => sm_stm :EXP :NAME :Source_Position :STM ; assign => => as_exp => as_name => lx_srcpos :EXP :NAME :Source_Position ; code => => as_exp => as_name => lx_srcpos :EXP :NAME :Source_Position ;	ALL_SOURCE > STM_ELEM > STM > BLOCK_LOOP loop => => as_source_name => as_iteration => as_stm_s => lx_srcpos => cd_level => cd_after_loop :SOURCE_NAME : <u>ITERATION</u> :stm_s :Source_Position :Integer :Integer ; block => => as_source_name => as_block_body => lx_srcpos :SOURCE_NAME :block_body :Source_Position ;
ALL_SOURCE > STM_ELEM > STM > CLAUSES_STM if => => as_test_clause_elem_s => as_stm_s => lx_srcpos : <u>test_clause_elem_s</u> :stm_s :Source_Position ; selective_wait => => as_test_clause_elem_s => as_stm_s => lx_srcpos : <u>test_clause_elem_s</u> :stm_s :Source_Position ;	ALL_SOURCE > STM_ELEM > STM > STM_WITH_NAME goto => => as_name => lx_srcpos :NAME :Source_Position ; raise => => as_name => lx_srcpos :NAME :Source_Position ;	ALL_SOURCE > STM_ELEM > STM > ENTRY_STM cond_entry => => as_stm_s1 => as_stm_s2 => lx_srcpos :stm_s :stm_s :Source_Position ; timed_entry => => as_stm_s1 => as_stm_s2 => lx_srcpos :stm_s :stm_s :Source_Position ;

ALL_SOURCE > ITERATION

```

for          =>
              => as_source_name   :SOURCE_NAME
              => as_discrete_range :DISCRETE_RANGE
              => lx_srcpos        :Source_Position
              ;
reverse      =>
              => as_source_name   :SOURCE_NAME
              => as_discrete_range :DISCRETE_RANGE
              => lx_srcpos        :Source_Position
              ;
while        =>
              => as_exp           :EXP
              => lx_srcpos        :Source_Position
              ;
  
```

ALL_SOURCE > TEST_CLAUSE_ELEM

```

test_clause_elem_s  =>
                    => as_list      :TEST_CLAUSE_ELEM
                    => lx_srcpos    :Source_Position
                    ;
.....
cond_clause         =>
                    => as_exp       :EXP
                    => as_stm_s     :stm_s
                    => lx_srcpos    :Source_Position
                    ;
select_alternative  =>
                    => as_exp       :EXP
                    => as_stm_s     :stm_s
                    => lx_srcpos    :Source_Position
                    ;
select_alt_pragma   =>
                    => as_pragma    :pragma
                    => lx_srcpos    :Source_Position
                    ;
  
```


	=> sm_value	:Value
	;	
range_membership	=>	
	=> as_exp	:EXP
	=> as_membership_op	: <u>MEMBERSHIP_OP</u>
	=> as_range	:RANGE
	=> lx_srcpos	:Source_Position
	=> sm_exp_type	:TYPE_SPEC
	=> sm_value	:Value
	;	
type_membership	=>	
	=> as_exp	:EXP
	=> as_membership_op	: <u>MEMBERSHIP_OP</u>
	=> as_name	:NAME
	=> lx_srcpos	:Source_Position
	=> sm_exp_type	:TYPE_SPEC
	=> sm_value	:Value
	;	
SHORT_CIRCUIT_OP		
and_then	=>	
	=> lx_srcpos	:Source_Position
	;	
or_else	=>	
	=> lx_srcpos	:Source_Position
	;	
MEMBERSHIP_OP		
in_op	=>	
	=> lx_srcpos	:Source_Position
	;	
not_in	=>	
	=> lx_srcpos	:Source_Position
	;	

	=> cd_compiled	:BOOLEAN		=> xd_is_used	:BOOLEAN
	=> cd_offset	:Integer		;	
	=> cd_constrained	:BOOLEAN	any_access	=>	
	;			;	
private	=>		any_composite	=>	
	=> sm_derived	:TYPE_SPEC		;	
	=> sm_is_anonymous	:BOOLEAN	any_string	=>	
	=> sm_discriminant_s	:dscrm_t_decl_s		;	
	=> sm_type_spec	:TYPE_SPEC	any_access_of	=>	
	=> xd_source_name	:SOURCE_NAME		=> xd_item	:ITEM
	;			;	
l_private	=>		any_integer	=>	
	=> sm_derived	:TYPE_SPEC		;	
	=> sm_is_anonymous	:BOOLEAN	any_real	=>	
	=> sm_discriminant_s	:dscrm_t_decl_s		;	
	=> sm_type_spec	:TYPE_SPEC	implicit_conv	=>	
	=> xd_source_name	:SOURCE_NAME		=> xd_item	:ITEM
	;			=> xd_list	:EXP
task_spec	=>			;	
	=> sm_derived	:TYPE_SPEC	nullary_call	=>	
	=> sm_is_anonymous	:BOOLEAN		=> xd_item	:ITEM
	=> sm_decl_s	:decl_s		;	
	=> sm_body	:BODY			
	=> sm_address	:EXP			
	=> sm_size	:EXP			
	=> sm_storage_size	:EXP			
	=> xd_source_name	:SOURCE_NAME			
	=> cd_comp_unit	:Integer			
	=> cd_level	:Integer			
	=> cd_compiled	:BOOLEAN			
	=> xd_stub	:stub			
	=> xd_body	:SUBUNIT_BODY			
	;				
real_val	=>				
	=> xd_numer	:num_val			
	=> xd_denom	:num_val			
	;				
trans_with	=>				
	=> tw_filename	:txtrep			
	=> tw_comp_unit	:compilation_unit			
	;				
lib_info	=>				
	=> xd_short	:txtrep			
	=> xd_primary	:txtrep			
	=> xd_secondary	:txtrep			
	;				
def	=>				
	=> xd_header	:HEADER			
	=> xd_source_name	:SOURCE_NAME			
	=> xd_region_def	:def			
	=> xd_is_in_spec	:BOOLEAN			
	=> xd_lex_level	:Integer			

function_id	=> xd_region	:SOURCE_NAME	generic_id	=> sm_first	:DEF_NAME	exception_id	=> xd_region	:SOURCE_NAME	
	=> xd_stub	:stub		=> sm_spec	:HEADER		;		
	=> xd_body	:SUBUNIT_BODY		=> sm_unit_desc	:UNIT_DESC		=>		
	=> cd_compiled	:BOOLEAN		=> sm_address	:EXP		=> lx_srcpos	:Source_Position	
	=> cd_level	:Integer		=> xd_region	:SOURCE_NAME		=> lx_symrep	:symbol_rep	
	=> cd_label	:Integer		=> xd_stub	:stub		=> sm_renames_exc	:NAME	
	=> cd_param_size	:Integer		=> xd_body	:SUBUNIT_BODY		=> xd_region	:SOURCE_NAME	
	;			=> cd_compiled	:BOOLEAN		=> cd_label	:Integer	
	=>			;			;		
	=> lx_srcpos	:Source_Position		=>			DEF_NAME > PREDEF_NAME		
operator_id	=> lx_symrep	:symbol_rep	task_body_id	=> lx_srcpos	:Source_Position	attribute_id	=>		
	=> sm_first	:DEF_NAME		=> lx_symrep	:symbol_rep		=> lx_srcpos	:Source_Position	
	=> sm_spec	:HEADER		=> sm_first	:DEF_NAME		=> lx_symrep	:symbol_rep	
	=> sm_unit_desc	:UNIT_DESC		=> sm_spec	:HEADER		=> xd_pos	:Integer	
	=> sm_address	:EXP		=> sm_generic_param_s:item_s			;		
	=> sm_is_inline	:BOOLEAN		=> sm_body	:BODY		=>		
	=> sm_interface	:PREDEF_NAME		=> sm_is_inline	:BOOLEAN		pragma_id	=>	
	=> xd_region	:SOURCE_NAME		=> xd_region	:SOURCE_NAME		=> lx_srcpos	:Source_Position	
	=> xd_stub	:stub		=> xd_stub	:stub		=> lx_symrep	:symbol_rep	
	=> xd_body	:SUBUNIT_BODY		=> xd_body	:SUBUNIT_BODY		!! VERIFIER SEQ ? !!	=> sm_argument_id_s	:argument_id
	=> cd_compiled	:BOOLEAN	label_id	;		argument_id_s	=> xd_pos	:Integer	
	=> cd_level	:Integer		=>			;		
	=> cd_label	:Integer		=> lx_srcpos	:Source_Position		=>		
	=> cd_param_size	:Integer		=> lx_symrep	:symbol_rep		=> as_list	:argument_id	
	=> cd_result_size	:Integer		=> sm_first	:DEF_NAME		=> lx_srcpos	:Source_Position	
	;			=> sm_type_spec	:TYPE_SPEC		;		
	=>			=> sm_body	:BODY		=>		
	=> lx_srcpos	:Source_Position		=> xd_region	:SOURCE_NAME		=> lx_srcpos	:Source_Position	
	=> lx_symrep	:symbol_rep		;			=> lx_symrep	:symbol_rep	
	=> sm_first	:DEF_NAME		=>			=> xd_pos	:Integer	
package_id	=> sm_spec	:HEADER	block_loop_id	=> lx_srcpos	:Source_Position	argument_id	=>		
	=> sm_unit_desc	:UNIT_DESC		=> lx_symrep	:symbol_rep		=> lx_srcpos	:Source_Position	
	=> sm_address	:EXP		=> sm_stm	:STM		=> lx_symrep	:symbol_rep	
	=> sm_is_inline	:BOOLEAN		=> xd_region	:SOURCE_NAME		=> xd_pos	:Integer	
	=> sm_interface	:PREDEF_NAME		=> cd_label	:Integer		;		
	=> xd_region	:SOURCE_NAME		;			=>		
	=> xd_stub	:stub		=>			=> lx_srcpos	:Source_Position	
	=> xd_body	:SUBUNIT_BODY		=> lx_srcpos	:Source_Position		=> lx_symrep	:symbol_rep	
	=> cd_compiled	:BOOLEAN		=> lx_symrep	:symbol_rep		=> xd_pos	:Integer	
	=> cd_level	:Integer		=> sm_stm	:STM		bltn_operator_id	=>	
	=> cd_label	:Integer	entry_id	=> xd_region	:SOURCE_NAME	derived_subprog	=> lx_srcpos	:Source_Position	
	=> cd_param_size	:Integer		=> cd_label	:Integer		=> lx_symrep	:symbol_rep	
	=> xd_not_equal	:operator_id		;			=> sm_operator	:Integer	
	;			=>			;		
	=>			=> lx_srcpos	:Source_Position		UNIT_DESC		
	=> lx_srcpos	:Source_Position		=> lx_symrep	:symbol_rep		implicit_not_eq	=>	
	=> lx_symrep	:symbol_rep		=> sm_spec	:HEADER		=> lx_srcpos	:Source_Position	
				=> sm_address	:EXP		=> sm_equal	:SOURCE_NAME	
							;		
				=>			=>		

explications compilation_unit :

Le champ « *as_all_decl* » de type classe ALL_DECL ne contient pas de liste mais seulement le premier élément ITEM représentant l’unité de compilation.
Les listes de déclarations et d’instructions sont contenues plus bas dans des listes d’ITEM attribuées aux spécifications de package (HEADER) ou aux BODY.

Au sujet des unités de compilation, il faut se reporter à la section RM-10.1 du manuel de référence Ada.

unité de compilation::=		
	clause de contexte unité de librairie	
	clause de contexte unité secondaire	
unité de librairie::=		
	déclaration de sous-programme	procedure X (...) ; function Y (...) ;
	déclaration de package	package X is ... end X ;
	déclaration de package ou sous-programme générique	generic ... procedure GP (...) ; generic ... function GF (...) ; generic ... package GP is ... end GP;
	instantiation de générique	procedure IP is new GP (...) ; function IF is new GF (...) ; package IP is new GP (...) ;
	corps de sous-programme	procedure P (...) is ... begin ... end P ; function F (...) is ... begin ... end F; subprogram_body
unité secondaire::=		
	corps d’unité de librairie	procedure P (...) is ... begin ... end P ; function F (...) is ... begin ... end F; package body K is ... end K ;
	sous-unité	separate (X) package body Y is ... end Y ;

[\(retour\)](#)

explications address :

La clause d’adressage RM-13.5 sert à imposer une adresse définie à un objet. Elle s’écrit :
for MA_VARIABLE use at ...

[\(retour\)](#)

explications record_rep :

La clause de représentation d’enregistrement RM-13.4 s’écrit :

for ENREGISTREMENT use record at mod ...

[\(retour\)](#)

explications deferred_constant_decl :

RM-7.4

[\(retour\)](#)

explications number_decl :

RM-3.2.2

[\(retour\)](#)