

pointer:0x7fb2536d2010
SgSourceFile

root node

SgNode* p_parent : 0x1b68a00
bool p_isModified : 0
bool p_containsTransformation : 0
\$CLASSNAME* p_freepointer : 0xfffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7fb253891068
SgStringList p_originalCommandLineArgumentList : [pdfGenerator, -c, accumulationStmt.c]
int p_verbose : 0
bool p_output_warnings : 0
bool p_C_only : 1
bool p_UPC_only : 0
bool p_UPCxx_only : 0
int p_upc_threads : 0
bool p_C89_only : 0
bool p_C89_gnu_only : 0
bool p_C99_only : 1
bool p_C99_gnu_only : 1
bool p_Cxx_only : 0
bool p_C11_only : 0
bool p_C11_gnu_only : 0
bool p_Cxx0x_only : 0
bool p_Cxx11_only : 0
bool p_Cxx11_gnu_only : 0
bool p_C14_only : 0
bool p_C14_gnu_only : 0
bool p_Cxx14_only : 0
bool p_Cxx14_gnu_only : 0
bool p_Fortran_only : 0
bool p_F77_only : 0
bool p_F90_only : 0
bool p_F95_only : 0
bool p_F2003_only : 0
bool p_F2008_only : 0
bool p_CoArrayFortran_only : 0
bool p_Java_only : 0
bool p_X10_only : 0
bool p_PHP_only : 0
bool p_Python_only : 0
bool p_Cuda_only : 0
bool p_OpenCL_only : 0
bool p_requires_C_preprocessor : 0
bool p_binary_only : 0
SgFile::outputFormatOption_enum p_inputFormat : 2
SgFile::outputFormatOption_enum p_outputFormat : 2
SgFile::outputFormatOption_enum p_backendCompileFormat : 2
bool p_fortran_implicit_none : 0
bool p_omp : 0
bool p_omp_parse_only : 1
bool p_omp_ast_only : 0
bool p_omp_lowering : 0
bool p_cray_pointer_support : 0
bool p_failsafe : 0
bool p_output_parser_actions : 0
bool p_exit_after_parser : 0
bool p_skip_syntax_check : 0
bool p_relax_syntax_check : 0
bool p_skip_translation_from_edg_ast_to_rose_ast : 0
bool p_skip_transformation : 0
bool p_skip_unparse : 0
bool p_skipfinalCompileStep : 0
bool p_unparse_includes : 0
bool p_unparse_line_directives : 0
bool p_unparse_function_calls_using_operator_syntax : 0

[Click here to go to the parent node](#)

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pointer:0x7fb2527fbd90
SgFunctionDeclaration
/home/liao6/workspace/github/rose-ast.git/accumulationStmt.c 2:1
IsTransformation:0
IsOutputInCodeGeneration:0
Declaration mangled name: L1R__L2R

[Click here to go to the parent node](#)

SgNode* p_parent : 0x7fb25380c120
bool p_isModified : 0
bool p_containsTransformation : 0
\$CLASSNAME* p_freepointer : 0xfffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7fb25251fcd0
Sg_File_Info* p_endOfConstruct : 0x7fb25251fd28
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
bool p_containsTransformationToSurroundingWhitespace : 0
SgLabelRefExp* p_numeric_label : 0
int p_source_sequence_value : -1
unsigned int p_decl_attributes : 0
std::string p_linkage :
SgDeclarationModifier p_declarationModifier : <too long>: <too long>: SgDeclarationModifier(isUnknown() = false isDefault() = false isFrie
bool p_nameOnly : 0
bool p_forward : 0
bool p_externBrace : 0
bool p_skipElaborateType : 0
SgDeclarationStatement* p_definingDeclaration : 0x7fb2527fbd90
SgDeclarationStatement* p_firstNondefiningDeclaration : 0x7fb2527fb9c0
SgQualifiedNamePtrList p_qualifiedNameList : []
std::string p_binding_label :
SgName p_name : foo
SgFunctionParameterList* p_parameterList : 0x7fb25297f990
SgFunctionModifier p_functionModifier : <too long>: <too long>: SgFunctionModifier(isUnknown() = false isDefault() = true isInline()
SgSpecialFunctionModifier p_specialFunctionModifier : <too long>: <too long>: SgSpecialFunctionModifier(isUnknown() = false isDefault()
SgTypePtrList p_exceptionSpecification : []
bool p_named_in_end_statement : 0
std::string p_asm_name :
SgExprListExp* p_decoratorList : 0
SgFunctionType* p_type : 0x7fb253210c70
SgFunctionDefinition* p_definition : 0x7fb2523a7010
bool p_oldStyleDefinition : 0
SgScopeStatement* p_scope : 0x7fb25380c120
SgDeclarationStatement::template_specialization_enum p_specialization : 1
bool p_requiresNameQualificationOnReturnType : 0
std::string p_gnu_extension_section :
std::string p_gnu_extension_alias :
SgDeclarationStatement::gnu_extension_visability_attribute_enum p_gnu_extension_visability : 1
int p_name_qualification_length : 0
bool p_type_elaboration_required : 0
bool p_global_qualification_required : 0
int p_name_qualification_length_for_return_type : 0
bool p_type_elaboration_required_for_return_type : 0
bool p_global_qualification_required_for_return_type : 0
bool p_prototypelsWithoutParameters : 0
int p_gnu_regparm_attribute : -1
SgFunctionType* p_type_syntax : 0
bool p_type_syntax_is_available : 0
bool p_using_C11_Noreturn_keyword : 0
bool p_is_constexpr : 0
bool p_using_new_function_return_type_syntax : 0
SgFunctionParameterScope* p_functionParameterScope : 0
bool p_marked_as_edg_normalization : 0

pointer:0x7fb25297f990
SgFunctionParameterList
/home/liao6/workspace/github/rose-ast.git/accumulationStmt.c 2:1
IsTransformation:0
IsOutputInCodeGeneration:0
Declaration mangled name: L2R

[Click here to go to the parent node](#)

SgNode* p_parent : 0x7fb2527fbd90
bool p_isModified : 0
bool p_containsTransformation : 0
\$CLASSNAME* p_freepointer : 0xfffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7fb252520460
Sg_File_Info* p_endOfConstruct : 0x7fb2525204b8
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
bool p_containsTransformationToSurroundingWhitespace : 0
SgLabelRefExp* p_numeric_label : 0
int p_source_sequence_value : -1
unsigned int p_decl_attributes : 0
std::string p_linkage :
SgDeclarationModifier p_declarationModifier : <too long>: <too long>: SgDeclarationModifier(isUnknown() = false isDefault() = true isFrien
bool p_nameOnly : 0
bool p_forward : 0
bool p_externBrace : 0
bool p_skipElaborateType : 0
SgDeclarationStatement* p_definingDeclaration : 0
SgDeclarationStatement* p_firstNondefiningDeclaration : 0x7fb25297f990
SgQualifiedNamePtrList p_qualifiedNameList : []
std::string p_binding_label :
SgInitializedNamePtrList p_args : [0x7fb25256a1b0, 0x7fb25256a2f8, 0x7fb25256a440]

pointer:0x7fb25256a1b0
SgInitializedName
/home/liao6/workspace/github/rose-ast.git/accumulationStmt.c 2:18
IsTransformation:0
IsOutputInCodeGeneration:0

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SgNode* p_parent : 0x7fb25297f990
bool p_isModified : 0
bool p_containsTransformation : 0
\$CLASSNAME* p_freepointer : 0xfffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7fb2525200f0
Sg_File_Info* p_endOfConstruct : 0x7fb252520148
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
bool p_containsTransformationToSurroundingWhitespace : 0
SgName p_name : xa1
std::string p_microsoft_uuid_string :
SgType* p_typeptr : 0x7fb253315538
SgInitializer* p_initptr : 0
SgInitializedName* p_prev_decl_item : 0
bool p_is_initializer : 1
SgDeclarationStatement* p_declptr : 0x7fb2527fbd90
SgStorageModifier* p_storageModifier : 0x25f6430
SgScopeStatement* p_scope : 0x7fb2523a7010
SgInitializedName::preinitialization_enum p_preinitialization : 0
bool p_isCoArray : 0
SgInitializedName::asm_register_name_enum p_register_name_code : 0
SgInitializedName::excess_specifier_enum p_excess_specifier : 0
std::string p_register_name_string :
bool p_requiresGlobalNameQualificationOnType : 0
bool p_shapeDeferred : 0
bool p_initializationDeferred : 0
SgBitVector p_gnu_attribute_modifierVector : [F, F, F, F, F, F, F, F, F, F, F, F, F, F, F, F, F, F, F, F]
unsigned long int p_gnu_attribute_initialization_priority : 0
std::string p_gnu_attribute_named_weak_reference :
std::string p_gnu_attribute_named_alias :
std::string p_gnu_attribute_cleanup_function :
std::string p_gnu_attribute_section_name :
int p_gnu_attribute_alignment : -1
SgDeclarationModifier::gnu_declaration_visability_enum p_gnu_attribute_visability : 0
bool p_protected_declaration : 0
int p_name_qualification_length_for_type : 0
bool p_type_elaboration_required_for_type : 0
bool p_global_qualification_required_for_type : 0
bool p_hasArrayTypeWithEmptyBracketSyntax : 0
bool p_using_C11_Alignas_keyword : 0
SgNode* p_constant_or_type_argument_for_Alignas_keyword : 0
bool p_using_auto_keyword : 0
bool p_using_device_keyword : 0
bool p_is_braced_initialized : 0

pointer:0x7fb25256a2f8
SgInitializedName
/home/liao6/workspace/github/rose-ast.git/accumulationStmt.c 2:30
IsTransformation:0
IsOutputInCodeGeneration:0

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SgNode* p_parent : 0x7fb25297f990
bool p_isModified : 0
bool p_containsTransformation : 0
\$CLASSNAME* p_freepointer : 0xfffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7fb2525201a0
Sg_File_Info* p_endOfConstruct : 0x7fb2525201f8
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
bool p_containsTransformationToSurroundingWhitespace : 0
SgName p_name : ax
std::string p_microsoft_uuid_string :
SgType* p_typeptr : 0x7fb252fb3010
SgInitializer* p_initptr : 0
SgInitializedName* p_prev_decl_item : 0
bool p_is_initializer : 1
SgDeclarationStatement* p_declptr : 0x7fb2527fbd90
SgStorageModifier* p_storageModifier : 0x25f6458
SgScopeStatement* p_scope : 0x7fb2523a7010
SgInitializedName::preinitialization_enum p_preinitialization : 0
bool p_isCoArray : 0
SgInitializedName::asm_register_name_enum p_register_name_code : 0
SgInitializedName::excess_specifier_enum p_excess_specifier : 0
std::string p_register_name_string :
bool p_requiresGlobalNameQualificationOnType : 0
bool p_shapeDeferred : 0
bool p_initializationDeferred : 0
SgBitVector p_gnu_attribute_modifierVector : [F, F, F, F, F, F, F, F, F, F, F, F, F, F, F, F, F, F, F, F]
unsigned long int p_gnu_attribute_initialization_priority : 0
std::string p_gnu_attribute_named_weak_reference :
std::string p_gnu_attribute_named_alias :
std::string p_gnu_attribute_cleanup_function :
std::string p_gnu_attribute_section_name :
int p_gnu_attribute_alignment : -1
SgDeclarationModifier::gnu_declaration_visability_enum p_gnu_attribute_visability : 0
bool p_protected_declaration : 0
int p_name_qualification_length_for_type : 0
bool p_type_elaboration_required_for_type : 0
bool p_global_qualification_required_for_type : 0
bool p_hasArrayTypeWithEmptyBracketSyntax : 0
bool p_using_C11_Alignas_keyword : 0
SgNode* p_constant_or_type_argument_for_Alignas_keyword : 0
bool p_using_auto_keyword : 0
bool p_using_device_keyword : 0
bool p_is_braced_initialized : 0

pointer:0x7fb25256a440
SgInitializedName
/home/liao6/workspace/github/rose-ast.git/accumulationStmt.c 2:38
IsTransformation:0
IsOutputInCodeGeneration:0

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SgNode* p_parent : 0x7fb25297f990
bool p_isModified : 0
bool p_containsTransformation : 0
\$CLASSNAME* p_freepointer : 0xfffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7fb252520250
Sg_File_Info* p_endOfConstruct : 0x7fb2525202a8
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
bool p_containsTransformationToSurroundingWhitespace : 0
SgName p_name : len
std::string p_microsoft_uuid_string :
SgType* p_typeptr : 0x7fb252e27010
SgInitializer* p_initptr : 0
SgInitializedName* p_prev_decl_item : 0
bool p_is_initializer : 1
SgDeclarationStatement* p_declptr : 0x7fb2527fbd90
SgStorageModifier* p_storageModifier : 0x25f6480
SgScopeStatement* p_scope : 0x7fb2523a7010
SgInitializedName::preinitialization_enum p_preinitialization : 0
bool p_isCoArray : 0
SgInitializedName::asm_register_name_enum p_register_name_code : 0
SgInitializedName::excess_specifier_enum p_excess_specifier : 0
std::string p_register_name_string :
bool p_requiresGlobalNameQualificationOnType : 0
bool p_shapeDeferred : 0
bool p_initializationDeferred : 0
SgBitVector p_gnu_attribute_modifierVector : [F, F, F, F, F, F, F, F, F, F, F, F, F, F, F, F, F, F, F, F]
unsigned long int p_gnu_attribute_initialization_priority : 0
std::string p_gnu_attribute_named_weak_reference :
std::string p_gnu_attribute_named_alias :
std::string p_gnu_attribute_cleanup_function :
std::string p_gnu_attribute_section_name :
int p_gnu_attribute_alignment : -1
SgDeclarationModifier::gnu_declaration_visability_enum p_gnu_attribute_visability : 0
bool p_protected_declaration : 0
int p_name_qualification_length_for_type : 0
bool p_type_elaboration_required_for_type : 0
bool p_global_qualification_required_for_type : 0
bool p_hasArrayTypeWithEmptyBracketSyntax : 0
bool p_using_C11_Alignas_keyword : 0
SgNode* p_constant_or_type_argument_for_Alignas_keyword : 0
bool p_using_auto_keyword : 0
bool p_using_device_keyword : 0
bool p_is_braced_initialized : 0

pointer:0x7fb2523a7010
SgFunctionDefinition
/home/liao6/workspace/github/rose-ast.git/accumulationStmt.c 3:1
IsTransformation:0
IsOutputInCodeGeneration:0

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SgNode* p_parent : 0x7fb2527fbd90
bool p_isModified : 0
bool p_containsTransformation : 0
\$CLASSNAME* p_freepointer : 0xfffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7fb252520300
Sg_File_Info* p_endOfConstruct : 0x7fb252520358
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
bool p_containsTransformationToSurroundingWhitespace : 0
SgLabelRefExp* p_numeric_label : 0
int p_source_sequence_value : -1
SgSymbolTable* p_symbol_table : 0x7fb2537c14d0
SgTypeTable* p_type_table : 0x1ba34c0
std::set<SgSymbol*> p_type_elaboration_list : []
std::set<SgSymbol*> p_hidden_type_list : []
std::set<SgSymbol*> p_hidden_declaration_list : []
SgBasicBlock* p_body : 0x7fb25243c010
std::map<SgNode*,int> p_scope_number_list : []

pointer:0x7fb25243c010
SgBasicBlock
/home/liao6/workspace/github/rose-ast.git/accumulationStmt.c 3:1
IsTransformation:0
IsOutputInCodeGeneration:0

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SgNode* p_parent : 0x7fb2523a7010
bool p_isModified : 0
bool p_containsTransformation : 0
\$CLASSNAME* p_freepointer : 0xfffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7fb252520040
Sg_File_Info* p_endOfConstruct : 0x7fb252520098
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
bool p_containsTransformationToSurroundingWhitespace : 0
SgLabelRefExp* p_numeric_label : 0
int p_source_sequence_value : -1
SgSymbolTable* p_symbol_table : 0x7fb2537c13a0
SgTypeTable* p_type_table : 0x1ba3498
std::set<SgSymbol*> p_type_elaboration_list : []
std::set<SgSymbol*> p_hidden_type_list : []
std::set<SgSymbol*> p_hidden_declaration_list : []
SgStatementPtrList p_statements : [0x7fb252316010]
std::string p_asm_function_body :

pointer:0x7fb252316010
SgForStatement
/home/liao6/workspace/github/rose-ast.git/accumulationStmt.c 4:3
IsTransformation:0
IsOutputInCodeGeneration:0

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SgNode* p_parent : 0x7fb25243c010
bool p_isModified : 0
bool p_containsTransformation : 0
\$CLASSNAME* p_freepointer : 0xfffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7fb2525217f8
Sg_File_Info* p_endOfConstruct : 0x7fb252521850
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
bool p_containsTransformationToSurroundingWhitespace : 0
SgLabelRefExp* p_numeric_label : 0
int p_source_sequence_value : -1
SgSymbolTable* p_symbol_table : 0x7fb2537c1600
SgTypeTable* p_type_table : 0x1ba34e8
std::set<SgSymbol*> p_type_elaboration_list : []
std::set<SgSymbol*> p_hidden_type_list : []
std::set<SgSymbol*> p_hidden_declaration_list : []
SgForInitStatement* p_for_init_stmt : 0x7fb2522df080
SgStatement* p_test : 0x7fb251f81010
SgExpression* p_increment : 0x7fb251f4e010
SgStatement* p_loop_body : 0x7fb25243c128
SgStatement* p_else_body : 0
std::string p_string_label :

pointer:0x7fb2522df080
SgForInitStatement
/home/liao6/workspace/github/rose-ast.git/accumulationStmt.c 4:8
IsTransformation:0
IsOutputInCodeGeneration:0

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SgNode* p_parent : 0x7fb252316010
bool p_isModified : 0
bool p_containsTransformation : 0
\$CLASSNAME* p_freepointer : 0xffffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7fb252520930
Sg_File_Info* p_endOfConstruct : 0x7fb252520988
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
bool p_containsTransformationToSurroundingWhitespace : 0
SgLabelRefExp* p_numeric_label : 0
int p_source_sequence_value : -1
SgStatementPtrList p_init_stmt : [0x7fb25219e010]

pointer:0x7fb25219e010
SgVariableDeclaration
/home/liao6/workspace/github/rose-ast.git/accumulationStmt.c 4:8
IsTransformation:0
IsOutputInCodeGeneration:0
Declaration mangled name: __variable_declaration__variable_type_i_variable_name_L1R__L2R__scope____SgSS2____scope____SgSS

[Click here to go to the parent node](#)

SgNode* p_parent : 0x7fb2522df080
bool p_isModified : 0
bool p_containsTransformation : 0
\$CLASSNAME* p_freepointer : 0xfffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7fb252520670
Sg_File_Info* p_endOfConstruct : 0x7fb2525206c8
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
bool p_containsTransformationToSurroundingWhitespace : 0
SgLabelRefExp* p_numeric_label : 0
int p_source_sequence_value : -1
unsigned int p_decl_attributes : 0
std::string p_linkage :
SgDeclarationModifier p_declarationModifier : <too long>: <too long>: SgDeclarationModifier(isUnknown() = false isDefault() = false isFrie
bool p_nameOnly : 1
bool p_forward : 0
bool p_externBrace : 0
bool p_skipElaborateType : 0
SgDeclarationStatement* p_definingDeclaration : 0
SgDeclarationStatement* p_firstNondefiningDeclaration : 0x7fb25219e010
SgQualifiedNamePtrList p_qualifiedNameList : []
std::string p_binding_label :
SgDeclarationStatement* p_baseTypeDefiningDeclaration : 0
SgInitializedNamePtrList p_variables : [0x7fb25256a588]
bool p_variableDeclarationContainsBaseTypeDefiningDeclaration : 0
SgDeclarationStatement::template_specialization_enum p_specialization : 1
bool p_requiresGlobalNameQualificationOnType : 0
std::string p_gnu_extension_section :
std::string p_gnu_extension_alias :
unsigned short p_gnu_extension_initialization_priority : 0
SgDeclarationStatement::gnu_extension_visibility_attribute_enum p_gnu_extension_visibility : 0
SgVariableDeclaration::gnu_extension_declaration_attributes_enum p_gnu_extension_declaration_attribute : 0
int p_name_qualification_length : 0
bool p_type_elaboration_required : 0
bool p_global_qualification_required : 0
bool p_isAssociatedWithDeclarationList : 0
bool p_isFirstDeclarationOfDeclarationList : 1
bool p_is_thread_local : 0
bool p_is_constexpr : 0

pointer:0x7fb25256a588
SgInitializedName
/home/liao6/workspace/github/rose-ast.git/accumulationStmt.c 4:8
IsTransformation:0
IsOutputInCodeGeneration:0

[Click here to go to the parent node](#)

SgNode* p_parent : 0x7fb25219e010
bool p_isModified : 0
bool p_containsTransformation : 0
\$CLASSNAME* p_freepointer : 0xfffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7fb252520618
Sg_File_Info* p_endOfConstruct : 0x7fb2525205c0
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
bool p_containsTransformationToSurroundingWhitespace : 0
SgName p_name : i
std::string p_microsoft_uuid_string :
SgType* p_typeptr : 0x7fb252e27010
SgInitializer* p_initptr : 0x7fb25201a010
SgInitializedName* p_prev_decl_item : 0
bool p_is_initializer : 1
SgDeclarationStatement* p_declptr : 0x7fb252080010
SgStorageModifier* p_storageModifier : 0x25f64a8
SgScopeStatement* p_scope : 0x7fb252316010
SgInitializedName::preinitialization_enum p_preinitialization : 0
bool p_isCoArray : 0
SgInitializedName::asm_register_name_enum p_register_name_code : 0
SgInitializedName::excess_specifier_enum p_excess_specifier : 0
std::string p_register_name_string :
bool p_requiresGlobalNameQualificationOnType : 0
bool p_shapeDeferred : 0
bool p_initializationDeferred : 0
SgBitVector p_gnu_attribute_modifierVector : [F, F, F, F, F, F, F, F, F, F, F, F, F, F, F, F, F, F, F, F]
unsigned long int p_gnu_attribute_initialization_priority : 0
std::string p_gnu_attribute_named_weak_reference :
std::string p_gnu_attribute_named_alias :
std::string p_gnu_attribute_cleanup_function :
std::string p_gnu_attribute_section_name :
int p_gnu_attribute_alignment : -1
SgDeclarationModifier::gnu_declaration_visability_enum p_gnu_attribute_visability : 2
bool p_protected_declaration : 0
int p_name_qualification_length_for_type : 0
bool p_type_elaboration_required_for_type : 0
bool p_global_qualification_required_for_type : 0
bool p_hasArrayTypeWithEmptyBracketSyntax : 0
bool p_using_C11_Alignas_keyword : 0
SgNode* p_constant_or_type_argument_for_Alignas_keyword : 0
bool p_using_auto_keyword : 0
bool p_using_device_keyword : 0
bool p_is_braced_initialized : 0

pointer:0x7fb25201a010
SgAssignInitializer
compilerGenerated 0:0
IsTransformation:0
IsOutputInCodeGeneration:1
Expression type: int

[Click here to go to the parent node](#)

SgNode* p_parent : 0x7fb25256a588
bool p_isModified : 0
bool p_containsTransformation : 0
\$CLASSNAME* p_freepointer : 0xfffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7fb252520880
Sg_File_Info* p_endOfConstruct : 0x7fb252520828
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
bool p_containsTransformationToSurroundingWhitespace : 0
bool p_need_paren : 0
bool p_lvalue : 0
bool p_global_qualified_name : 0
Sg_File_Info* p_operatorPosition : 0x7fb252520568
bool p_is_explicit_cast : 1
bool p_is_braced_initialized : 0
SgExpression* p_operand_i : 0x7fb25204d010
SgType* p_expression_type : 0

pointer:0x7fb25204d010
SgIntVal
/home/liao6/workspace/github/rose-ast.git/accumulationStmt.c 4:14
IsTransformation:0
IsOutputInCodeGeneration:0
Expression type: int

[Click here to go to the parent node](#)

SgNode* p_parent : 0x7fb25201a010
bool p_isModified : 0
bool p_containsTransformation : 0
\$CLASSNAME* p_freepointer : 0xfffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7fb252520778
Sg_File_Info* p_endOfConstruct : 0x7fb2525207d0
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
bool p_containsTransformationToSurroundingWhitespace : 0
bool p_need_paren : 0
bool p_lvalue : 0
bool p_global_qualified_name : 0
Sg_File_Info* p_operatorPosition : 0x7fb252520510
SgExpression* p_originalExpressionTree : 0
int p_value : 0
std::string p_valueString : 0

pointer:0x7fb251f81010
SgExprStatement
/home/liao6/workspace/github/rose-ast.git/accumulationStmt.c 4:17
IsTransformation:0
IsOutputInCodeGeneration:0

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SgNode* p_parent : 0x7fb252316010
bool p_isModified : 0
bool p_containsTransformation : 0
\$CLASSNAME* p_freepointer : 0xffffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7fb252520cf8
Sg_File_Info* p_endOfConstruct : 0x7fb252520d50
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
bool p_containsTransformationToSurroundingWhitespace : 0
SgLabelRefExp* p_numeric_label : 0
int p_source_sequence_value : -1
SgExpression* p_expression : 0x7fb251fb0010

pointer:0x7fb251fb0010
SgLessThanOp
/home/liao6/workspace/github/rose-ast.git/accumulationStmt.c 4:18
IsTransformation:0
IsOutputInCodeGeneration:0
Expression type: int

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SgNode* p_parent : 0x7fb251f81010
bool p_isModified : 0
bool p_containsTransformation : 0
\$CLASSNAME* p_freepointer : 0xfffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7fb252520c48
Sg_File_Info* p_endOfConstruct : 0x7fb252520ca0
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
bool p_containsTransformationToSurroundingWhitespace : 0
bool p_need_paren : 0
bool p_lvalue : 0
bool p_global_qualified_name : 0
Sg_File_Info* p_operatorPosition : 0x7fb2525209e0
SgExpression* p_lhs_operand_i : 0x7fb251fe7010
SgExpression* p_rhs_operand_i : 0x7fb251fe7078
SgType* p_expression_type : 0
SgExpression* p_originalExpressionTree : 0

pointer:0x7fb251fe7010
SgVarRefExp
/home/liao6/workspace/github/rose-ast.git/accumulationStmt.c 4:17
IsTransformation:0
IsOutputInCodeGeneration:0
Expression type: int

[Click here to go to the parent node](#)

SgNode* p_parent : 0x7fb251fb0010
bool p_isModified : 0
bool p_containsTransformation : 0
\$CLASSNAME* p_freepointer : 0xffffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7fb252520a38
Sg_File_Info* p_endOfConstruct : 0x7fb252520a90
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
bool p_containsTransformationToSurroundingWhitespace : 0
bool p_need_paren : 0
bool p_lvalue : 0
bool p_global_qualified_name : 0
Sg_File_Info* p_operatorPosition : 0x7fb2525208d8
SgVariableSymbol* p_symbol : 0x265b7e0
SgExpression* p_originalExpressionTree : 0
int p_name_qualification_length : 0
bool p_type_elaboration_required : 0
bool p_global_qualification_required : 0

pointer:0x7fb251fe7078
SgVarRefExp
/home/liao6/workspace/github/rose-ast.git/accumulationStmt.c 4:19
IsTransformation:0
IsOutputInCodeGeneration:0
Expression type: int

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SgNode* p_parent : 0x7fb251fb0010
bool p_isModified : 0
bool p_containsTransformation : 0
\$CLASSNAME* p_freepointer : 0xffffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7fb252520b40
Sg_File_Info* p_endOfConstruct : 0x7fb252520b98
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
bool p_containsTransformationToSurroundingWhitespace : 0
bool p_need_paren : 0
bool p_lvalue : 0
bool p_global_qualified_name : 0
Sg_File_Info* p_operatorPosition : 0x7fb252520720
SgVariableSymbol* p_symbol : 0x265b7b0
SgExpression* p_originalExpressionTree : 0
int p_name_qualification_length : 0
bool p_type_elaboration_required : 0
bool p_global_qualification_required : 0

pointer:0x7fb251f4e010
SgPlusPlusOp
/home/liao6/workspace/github/rose-ast.git/accumulationStmt.c 4:25
IsTransformation:0
IsOutputInCodeGeneration:0
Expression type: int

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SgNode* p_parent : 0x7fb252316010
bool p_isModified : 0
bool p_containsTransformation : 0
\$CLASSNAME* p_freepointer : 0xffffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7fb252520f08
Sg_File_Info* p_endOfConstruct : 0x7fb252520f60
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
bool p_containsTransformationToSurroundingWhitespace : 0
bool p_need_paren : 0
bool p_lvalue : 0
bool p_global_qualified_name : 0
Sg_File_Info* p_operatorPosition : 0x7fb252520ae8
SgExpression* p_operand_i : 0x7fb251fe70e0
SgType* p_expression_type : 0
SgUnaryOp::Sgop_mode p_mode : 1

pointer:0x7fb251fe70e0
SgVarRefExp
/home/liao6/workspace/github/rose-ast.git/accumulationStmt.c 4:24
IsTransformation:0
IsOutputInCodeGeneration:0
Expression type: int

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SgNode* p_parent : 0x7fb251f4e010
bool p_isModified : 0
bool p_containsTransformation : 0
\$CLASSNAME* p_freepointer : 0xfffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7fb252520e00
Sg_File_Info* p_endOfConstruct : 0x7fb252520e58
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
bool p_containsTransformationToSurroundingWhitespace : 0
bool p_need_paren : 0
bool p_lvalue : 1
bool p_global_qualified_name : 0
Sg_File_Info* p_operatorPosition : 0x7fb252520bf0
SgVariableSymbol* p_symbol : 0x265b7e0
SgExpression* p_originalExpressionTree : 0
int p_name_qualification_length : 0
bool p_type_elaboration_required : 0
bool p_global_qualification_required : 0

pointer:0x7fb25243c128
SgBasicBlock
/home/liao6/workspace/github/rose-ast.git/accumulationStmt.c 5:3
IsTransformation:0
IsOutputInCodeGeneration:0

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SgNode* p_parent : 0x7fb252316010
bool p_isModified : 0
bool p_containsTransformation : 0
\$CLASSNAME* p_freepointer : 0xfffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7fb252520fb8
Sg_File_Info* p_endOfConstruct : 0x7fb252521010
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
bool p_containsTransformationToSurroundingWhitespace : 0
SgLabelRefExp* p_numeric_label : 0
int p_source_sequence_value : -1
SgSymbolTable* p_symbol_table : 0x7fb2537c1730
SgTypeTable* p_type_table : 0x1ba3510
std::set<SgSymbol*> p_type_elaboration_list : []
std::set<SgSymbol*> p_hidden_type_list : []
std::set<SgSymbol*> p_hidden_declaration_list : []
SgStatementPtrList p_statements : [0x7fb251f81070, 0x7fb251f810d0]
std::string p_asm_function_body :

pointer:0x7fb251f81070
SgExprStatement
/home/liao6/workspace/github/rose-ast.git/accumulationStmt.c 6:5
IsTransformation:0
IsOutputInCodeGeneration:0

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SgNode* p_parent : 0x7fb25243c128
bool p_isModified : 0
bool p_containsTransformation : 0
\$CLASSNAME* p_freepointer : 0xffffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7fb252521590
Sg_File_Info* p_endOfConstruct : 0x7fb2525215e8
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
bool p_containsTransformationToSurroundingWhitespace : 0
SgLabelRefExp* p_numeric_label : 0
int p_source_sequence_value : -1
SgExpression* p_expression : 0x7fb251ee0010

pointer:0x7fb251ee0010
SgPlusAssignOp
/home/liao6/workspace/github/rose-ast.git/accumulationStmt.c 6:11
IsTransformation:0
IsOutputInCodeGeneration:0
Expression type: double

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SgNode* p_parent : 0x7fb251f81070
bool p_isModified : 0
bool p_containsTransformation : 0
\$CLASSNAME* p_freepointer : 0xfffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7fb2525214e0
Sg_File_Info* p_endOfConstruct : 0x7fb252521538
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
bool p_containsTransformationToSurroundingWhitespace : 0
bool p_need_paren : 0
bool p_lvalue : 0
bool p_global_qualified_name : 0
Sg_File_Info* p_operatorPosition : 0x7fb252521278
SgExpression* p_lhs_operand_i : 0x7fb251f17010
SgExpression* p_rhs_operand_i : 0x7fb251fe7218
SgType* p_expression_type : 0
SgExpression* p_originalExpressionTree : 0

pointer:0x7fb251f17010
SgPntrArrRefExp
/home/liao6/workspace/github/rose-ast.git/accumulationStmt.c 6:8
IsTransformation:0
IsOutputInCodeGeneration:0
Expression type: double

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SgNode* p_parent : 0x7fb251ee0010
bool p_isModified : 0
bool p_containsTransformation : 0
\$CLASSNAME* p_freepointer : 0xffffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7fb2525212d0
Sg_File_Info* p_endOfConstruct : 0x7fb252521328
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
bool p_containsTransformationToSurroundingWhitespace : 0
bool p_need_paren : 0
bool p_lvalue : 1
bool p_global_qualified_name : 0
Sg_File_Info* p_operatorPosition : 0x7fb252521068
SgExpression* p_lhs_operand_i : 0x7fb251fe7148
SgExpression* p_rhs_operand_i : 0x7fb251fe71b0
SgType* p_expression_type : 0
SgExpression* p_originalExpressionTree : 0

pointer:0x7fb251fe7148
SgVarRefExp
/home/liao6/workspace/github/rose-ast.git/accumulationStmt.c 6:5
IsTransformation:0
IsOutputInCodeGeneration:0
Expression type: double *

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SgNode* p_parent : 0x7fb251f17010
bool p_isModified : 0
bool p_containsTransformation : 0
\$CLASSNAME* p_freepointer : 0xffffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7fb2525210c0
Sg_File_Info* p_endOfConstruct : 0x7fb252521118
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
bool p_containsTransformationToSurroundingWhitespace : 0
bool p_need_paren : 0
bool p_lvalue : 0
bool p_global_qualified_name : 0
Sg_File_Info* p_operatorPosition : 0x7fb252520eb0
SgVariableSymbol* p_symbol : 0x265b750
SgExpression* p_originalExpressionTree : 0
int p_name_qualification_length : 0
bool p_type_elaboration_required : 0
bool p_global_qualification_required : 0

pointer:0x7fb251fe71b0
SgVarRefExp
/home/liao6/workspace/github/rose-ast.git/accumulationStmt.c 6:9
IsTransformation:0
IsOutputInCodeGeneration:0
Expression type: int

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SgNode* p_parent : 0x7fb251f17010
bool p_isModified : 0
bool p_containsTransformation : 0
\$CLASSNAME* p_freepointer : 0xffffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7fb2525211c8
Sg_File_Info* p_endOfConstruct : 0x7fb252521220
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
bool p_containsTransformationToSurroundingWhitespace : 0
bool p_need_paren : 0
bool p_lvalue : 0
bool p_global_qualified_name : 0
Sg_File_Info* p_operatorPosition : 0x7fb252520da8
SgVariableSymbol* p_symbol : 0x265b7e0
SgExpression* p_originalExpressionTree : 0
int p_name_qualification_length : 0
bool p_type_elaboration_required : 0
bool p_global_qualification_required : 0

pointer:0x7fb251fe7218
SgVarRefExp
/home/liao6/workspace/github/rose-ast.git/accumulationStmt.c 6:13
IsTransformation:0
IsOutputInCodeGeneration:0
Expression type: double

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SgNode* p_parent : 0x7fb251ee0010
bool p_isModified : 0
bool p_containsTransformation : 0
\$CLASSNAME* p_freepointer : 0xffffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7fb2525213d8
Sg_File_Info* p_endOfConstruct : 0x7fb252521430
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
bool p_containsTransformationToSurroundingWhitespace : 0
bool p_need_paren : 0
bool p_lvalue : 0
bool p_global_qualified_name : 0
Sg_File_Info* p_operatorPosition : 0x7fb252521170
SgVariableSymbol* p_symbol : 0x265b780
SgExpression* p_originalExpressionTree : 0
int p_name_qualification_length : 0
bool p_type_elaboration_required : 0
bool p_global_qualification_required : 0

pointer:0x7fb251f810d0
SgExprStatement
/home/liao6/workspace/github/rose-ast.git/accumulationStmt.c 7:5
IsTransformation:0
IsOutputInCodeGeneration:0

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SgNode* p_parent : 0x7fb25243c128
bool p_isModified : 0
bool p_containsTransformation : 0
\$CLASSNAME* p_freepointer : 0xffffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7fb252521748
Sg_File_Info* p_endOfConstruct : 0x7fb2525217a0
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
bool p_containsTransformationToSurroundingWhitespace : 0
SgLabelRefExp* p_numeric_label : 0
int p_source_sequence_value : -1
SgExpression* p_expression : 0x7fb251eb8010

pointer:0x7fb251eb8010
SgNullExpression
compilerGenerated 0:0
IsTransformation:0
IsOutputInCodeGeneration:1
Expression type: int

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SgNode* p_parent : 0x7fb251f810d0
bool p_isModified : 0
bool p_containsTransformation : 0
\$CLASSNAME* p_freepointer : 0xffffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7fb252521698
Sg_File_Info* p_endOfConstruct : 0x7fb2525216f0
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
bool p_containsTransformationToSurroundingWhitespace : 0
bool p_need_paren : 0
bool p_lvalue : 0
bool p_global_qualified_name : 0
Sg_File_Info* p_operatorPosition : 0x7fb252521488

