pointer:0x7fc98ebf6010
SgSourceFile

root node

SgNode* p_parent : 0x147a350
bool p_isModified : 0
bool p_containsTransformation : 0
$CLASSNAME* p_freepointer : 0xffffffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7fc98eda9068
SgStringList p_originalCommandLineArgumentList : [pdfGenerator, -std=c++11, -c, arrayRefs.cpp]
int p_verbose : 0
bool p_output_warnings : 0
bool p_C_only : 0
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 : 0
bool p_C99_gnu_only : 0
bool p_Cxx_only : 1
bool p_C11_only : 0
bool p_C11_gnu_only : 0
bool p_Cxx0x_only : 0
bool p_Cxx11_only : 1
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_openmp : 0
bool p_openmp_parse_only : 1
bool p_openmp_ast_only : 0
bool p_openmp_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

pointer:0x7fc98ed24120
SgGlobal
/home/liao6/workspace/github/rose-ast.git/arrayRefs.cpp 0:0
IsTransformation:0
IsOutputInCodeGeneration:0

Click here to go to the parent node

SgNode* p_parent : 0x7fc98ebf6010
bool p_isModified : 0
bool p_containsTransformation : 0
$CLASSNAME* p_freepointer : 0xffffffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7fc98eda90c0
Sg_File_Info* p_endOfConstruct : 0x7fc98eda9118
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 : 0x7fc98ecd9140
SgTypeTable* p_type_table : 0x14b4d98
std::set<SgSymbol*> p_type_elaboration_list : []
std::set<SgSymbol*> p_hidden_type_list : []
std::set<SgSymbol*> p_hidden_declaration_list : []
SgDeclarationStatementPtrList p_declarations : <too long>: <too long>: [0x7fc98ea4b010, 0x7fc98ea4b2b0, 0x7fc98e57c010, 0x7fc98e57

SgNode* p_parent : 0x7fc98ed24120
bool p_isModified : 0
bool p_containsTransformation : 0
$CLASSNAME* p_freepointer : 0xffffffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7fc98d7b5a98
Sg_File_Info* p_endOfConstruct : 0x7fc98d7b5a40
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 : 0x7fc98dbc79e0
SgDeclarationStatement* p_firstNondefiningDeclaration : 0x7fc98dbc7610
SgQualifiedNamePtrList p_qualifiedNameList : []
std::string p_binding_label :
SgName p_name : foo
SgFunctionParameterList* p_parameterList : 0x7fc98dd17860
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 : 0x7fc98e770470
SgFunctionDefinition* p_definition : 0x7fc98d4fd010
bool p_oldStyleDefinition : 0
SgScopeStatement* p_scope : 0x7fc98ed24120
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_prototypeIsWithoutParameters : 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

Click here to go to the parent node

SgNode* p_parent : 0x7fc98dbc79e0
bool p_isModified : 0
bool p_containsTransformation : 0
$CLASSNAME* p_freepointer : 0xffffffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7fc98d7b6330
Sg_File_Info* p_endOfConstruct : 0x7fc98d7b6388
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 : 0x7fc98dd17860
SgQualifiedNamePtrList p_qualifiedNameList : []
std::string p_binding_label :
SgInitializedNamePtrList p_args : [0x7fc98d8a4ac0, 0x7fc98d8a4c08, 0x7fc98d8a4d50, 0x7fc98d8a4e98]

Click here to go to the parent node

SgNode* p_parent : 0x7fc98dd17860
bool p_isModified : 0
bool p_containsTransformation : 0
$CLASSNAME* p_freepointer : 0xffffffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7fc98d7b5f10
Sg_File_Info* p_endOfConstruct : 0x7fc98d7b5f68
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
bool p_containsTransformationToSurroundingWhitespace : 0
SgName p_name : a
std::string p_microsoft_uuid_string :
SgType* p_typeptr : 0x7fc98d6a4130
SgInitializer* p_initptr : 0
SgInitializedName* p_prev_decl_item : 0
bool p_is_initializer : 1
SgDeclarationStatement* p_declptr : 0x7fc98dbc79e0
SgStorageModifier* p_storageModifier : 0x20fa570
SgScopeStatement* p_scope : 0x7fc98d4fd010
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, 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:0x7fc98d8a4c08
SgInitializedName
/home/liao6/workspace/github/rose-ast.git/arrayRefs.cpp 1:34
IsTransformation:0
IsOutputInCodeGeneration:0

Click here to go to the parent node

SgNode* p_parent : 0x7fc98dd17860
bool p_isModified : 0
bool p_containsTransformation : 0
$CLASSNAME* p_freepointer : 0xffffffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7fc98d7b5fc0
Sg_File_Info* p_endOfConstruct : 0x7fc98d7b6018
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 : 0x7fc98e870010
SgInitializer* p_initptr : 0
SgInitializedName* p_prev_decl_item : 0
bool p_is_initializer : 1
SgDeclarationStatement* p_declptr : 0x7fc98dbc79e0
SgStorageModifier* p_storageModifier : 0x20fa598
SgScopeStatement* p_scope : 0x7fc98d4fd010
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, 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

Click here to go to the parent node

SgNode* p_parent : 0x7fc98dd17860
bool p_isModified : 0
bool p_containsTransformation : 0
$CLASSNAME* p_freepointer : 0xffffffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7fc98d7b6070
Sg_File_Info* p_endOfConstruct : 0x7fc98d7b60c8
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
bool p_containsTransformationToSurroundingWhitespace : 0
SgName p_name : j
std::string p_microsoft_uuid_string :
SgType* p_typeptr : 0x7fc98e870010
SgInitializer* p_initptr : 0
SgInitializedName* p_prev_decl_item : 0
bool p_is_initializer : 1
SgDeclarationStatement* p_declptr : 0x7fc98dbc79e0
SgStorageModifier* p_storageModifier : 0x20fa5c0
SgScopeStatement* p_scope : 0x7fc98d4fd010
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, 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

Click here to go to the parent node

SgNode* p_parent : 0x7fc98dd17860
bool p_isModified : 0
bool p_containsTransformation : 0
$CLASSNAME* p_freepointer : 0xffffffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7fc98d7b6120
Sg_File_Info* p_endOfConstruct : 0x7fc98d7b6178
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
bool p_containsTransformationToSurroundingWhitespace : 0
SgName p_name : k
std::string p_microsoft_uuid_string :
SgType* p_typeptr : 0x7fc98e870010
SgInitializer* p_initptr : 0
SgInitializedName* p_prev_decl_item : 0
bool p_is_initializer : 1
SgDeclarationStatement* p_declptr : 0x7fc98dbc79e0
SgStorageModifier* p_storageModifier : 0x20fa5e8
SgScopeStatement* p_scope : 0x7fc98d4fd010
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, 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:0x7fc98d4fd010
SgFunctionDefinition
/home/liao6/workspace/github/rose-ast.git/arrayRefs.cpp 2:1
IsTransformation:0
IsOutputInCodeGeneration:0

Click here to go to the parent node

SgNode* p_parent : 0x7fc98dbc79e0
bool p_isModified : 0
bool p_containsTransformation : 0
$CLASSNAME* p_freepointer : 0xffffffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7fc98d7b61d0
Sg_File_Info* p_endOfConstruct : 0x7fc98d7b6228
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 : 0x7fc98ecd94d0
SgTypeTable* p_type_table : 0x14b4e10
std::set<SgSymbol*> p_type_elaboration_list : []
std::set<SgSymbol*> p_hidden_type_list : []
std::set<SgSymbol*> p_hidden_declaration_list : []
SgBasicBlock* p_body : 0x7fc98d592010
std::map<SgNode*,int> p_scope_number_list : []

pointer:0x7fc98d592010
SgBasicBlock
/home/liao6/workspace/github/rose-ast.git/arrayRefs.cpp 2:1
IsTransformation:0
IsOutputInCodeGeneration:0

Click here to go to the parent node

SgNode* p_parent : 0x7fc98d4fd010
bool p_isModified : 0
bool p_containsTransformation : 0
$CLASSNAME* p_freepointer : 0xffffffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7fc98d7b5e60
Sg_File_Info* p_endOfConstruct : 0x7fc98d7b5eb8
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 : 0x7fc98ecd93a0
SgTypeTable* p_type_table : 0x14b4de8
std::set<SgSymbol*> p_type_elaboration_list : []
std::set<SgSymbol*> p_hidden_type_list : []
std::set<SgSymbol*> p_hidden_declaration_list : []
SgStatementPtrList p_statements : [0x7fc98d42d010]
std::string p_asm_function_body :

pointer:0x7fc98d42d010
SgExprStatement
/home/liao6/workspace/github/rose-ast.git/arrayRefs.cpp 3:4
IsTransformation:0
IsOutputInCodeGeneration:0

Click here to go to the parent node

SgNode* p_parent : 0x7fc98d592010
bool p_isModified : 0
bool p_containsTransformation : 0
$CLASSNAME* p_freepointer : 0xffffffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7fc98d7b6d28
Sg_File_Info* p_endOfConstruct : 0x7fc98d7b6d80
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 : 0x7fc98d45c010

pointer:0x7fc98d45c010
SgAssignOp
/home/liao6/workspace/github/rose-ast.git/arrayRefs.cpp 3:14
IsTransformation:0
IsOutputInCodeGeneration:0
Expression type: int

Click here to go to the parent node

SgNode* p_parent : 0x7fc98d42d010
bool p_isModified : 0
bool p_containsTransformation : 0
$CLASSNAME* p_freepointer : 0xffffffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7fc98d7b6c78
Sg_File_Info* p_endOfConstruct : 0x7fc98d7b6cd0
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 : 0x7fc98d7b6b70
SgExpression* p_lhs_operand_i : 0x7fc98d4930f0
SgExpression* p_rhs_operand_i : 0x7fc98d726148
SgType* p_expression_type : 0
SgExpression* p_originalExpressionTree : 0

pointer:0x7fc98d4930f0
SgPntrArrRefExp
/home/liao6/workspace/github/rose-ast.git/arrayRefs.cpp 3:11
IsTransformation:0
IsOutputInCodeGeneration:0
Expression type: int

Click here to go to the parent node

SgNode* p_parent : 0x7fc98d45c010
bool p_isModified : 0
bool p_containsTransformation : 0
$CLASSNAME* p_freepointer : 0xffffffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7fc98d7b6a68
Sg_File_Info* p_endOfConstruct : 0x7fc98d7b6ac0
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 : 0x7fc98d7b63e0
SgExpression* p_lhs_operand_i : 0x7fc98d493080
SgExpression* p_rhs_operand_i : 0x7fc98d4ca148
SgType* p_expression_type : 0
SgExpression* p_originalExpressionTree : 0

pointer:0x7fc98d493080
SgPntrArrRefExp
/home/liao6/workspace/github/rose-ast.git/arrayRefs.cpp 3:4
IsTransformation:0
IsOutputInCodeGeneration:0
Expression type: int [10]

Click here to go to the parent node

SgNode* p_parent : 0x7fc98d4930f0
bool p_isModified : 0
bool p_containsTransformation : 0
$CLASSNAME* p_freepointer : 0xffffffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7fc98d7b6858
Sg_File_Info* p_endOfConstruct : 0x7fc98d7b68b0
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 : 0x7fc98d7b66f8
SgExpression* p_lhs_operand_i : 0x7fc98d493010
SgExpression* p_rhs_operand_i : 0x7fc98d4ca0e0
SgType* p_expression_type : 0
SgExpression* p_originalExpressionTree : 0

pointer:0x7fc98d493010
SgPntrArrRefExp
/home/liao6/workspace/github/rose-ast.git/arrayRefs.cpp 3:4
IsTransformation:0
IsOutputInCodeGeneration:0
Expression type: int [10][10]

Click here to go to the parent node

SgNode* p_parent : 0x7fc98d493080
bool p_isModified : 0
bool p_containsTransformation : 0
$CLASSNAME* p_freepointer : 0xffffffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7fc98d7b6648
Sg_File_Info* p_endOfConstruct : 0x7fc98d7b66a0
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 : 0x7fc98d7b64e8
SgExpression* p_lhs_operand_i : 0x7fc98d4ca010
SgExpression* p_rhs_operand_i : 0x7fc98d4ca078
SgType* p_expression_type : 0
SgExpression* p_originalExpressionTree : 0

pointer:0x7fc98d4ca010
SgVarRefExp
/home/liao6/workspace/github/rose-ast.git/arrayRefs.cpp 3:4
IsTransformation:0
IsOutputInCodeGeneration:0
Expression type: int [10][10][10]

Click here to go to the parent node

SgNode* p_parent : 0x7fc98d493010
bool p_isModified : 0
bool p_containsTransformation : 0
$CLASSNAME* p_freepointer : 0xffffffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7fc98d7b6438
Sg_File_Info* p_endOfConstruct : 0x7fc98d7b6490
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 : 0x7fc98d7b6280
SgVariableSymbol* p_symbol : 0x2174db0
SgExpression* p_originalExpressionTree : 0
int p_name_qualification_length : 0
bool p_type_elaboration_required : 0
bool p_global_qualification_required : 0

pointer:0x7fc98d4ca078
SgVarRefExp
/home/liao6/workspace/github/rose-ast.git/arrayRefs.cpp 3:6
IsTransformation:0
IsOutputInCodeGeneration:0
Expression type: int

Click here to go to the parent node

SgNode* p_parent : 0x7fc98d493010
bool p_isModified : 0
bool p_containsTransformation : 0
$CLASSNAME* p_freepointer : 0xffffffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7fc98d7b6540
Sg_File_Info* p_endOfConstruct : 0x7fc98d7b6598
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 : 0x7fc98d7b62d8
SgVariableSymbol* p_symbol : 0x2174de0
SgExpression* p_originalExpressionTree : 0
int p_name_qualification_length : 0
bool p_type_elaboration_required : 0
bool p_global_qualification_required : 0

pointer:0x7fc98d4ca0e0
SgVarRefExp
/home/liao6/workspace/github/rose-ast.git/arrayRefs.cpp 3:9
IsTransformation:0
IsOutputInCodeGeneration:0
Expression type: int

Click here to go to the parent node

SgNode* p_parent : 0x7fc98d493080
bool p_isModified : 0
bool p_containsTransformation : 0
$CLASSNAME* p_freepointer : 0xffffffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7fc98d7b6750
Sg_File_Info* p_endOfConstruct : 0x7fc98d7b67a8
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 : 0x7fc98d7b65f0
SgVariableSymbol* p_symbol : 0x2174e10
SgExpression* p_originalExpressionTree : 0
int p_name_qualification_length : 0
bool p_type_elaboration_required : 0
bool p_global_qualification_required : 0

pointer:0x7fc98d4ca148
SgVarRefExp
/home/liao6/workspace/github/rose-ast.git/arrayRefs.cpp 3:12
IsTransformation:0
IsOutputInCodeGeneration:0
Expression type: int

Click here to go to the parent node

SgNode* p_parent : 0x7fc98d4930f0
bool p_isModified : 0
bool p_containsTransformation : 0
$CLASSNAME* p_freepointer : 0xffffffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7fc98d7b6960
Sg_File_Info* p_endOfConstruct : 0x7fc98d7b69b8
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 : 0x7fc98d7b6800
SgVariableSymbol* p_symbol : 0x2174e40
SgExpression* p_originalExpressionTree : 0
int p_name_qualification_length : 0
bool p_type_elaboration_required : 0
bool p_global_qualification_required : 0

pointer:0x7fc98d726148
SgIntVal
/home/liao6/workspace/github/rose-ast.git/arrayRefs.cpp 3:15
IsTransformation:0
IsOutputInCodeGeneration:0
Expression type: int

Click here to go to the parent node

SgNode* p_parent : 0x7fc98d45c010
bool p_isModified : 0
bool p_containsTransformation : 0
$CLASSNAME* p_freepointer : 0xffffffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7fc98d7b6b18
Sg_File_Info* p_endOfConstruct : 0x7fc98d7b6a10
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 : 0x7fc98d7b6bc8
SgExpression* p_originalExpressionTree : 0
int p_value : 0
std::string p_valueString : 0