#### pointer:0x8e06c78

SgNode\* p\_parent : 0x8da83b0

#### root node

```
bool p_isModified : 0
$CLASSNAME * p_freepointer : 0xffffffff
static SgFunctionTypeTable* p_globalFunctionTypeTable : 0x8fd1d60
Sg_File_Info* p_file_info : 0x8e1e3b8
SgGlobal* p_root : 0x8e2ce40
std::list<std::string> p_originalCommandLineArgumentList :
int p_verbose: 0
bool p_C_only : 0
bool p_C99_only : 0
bool p_skip_transformation : 0
bool p_skip_unparse : 0
bool p unparse includes: 0
bool p_skipfinalCompileStep : 0
std::string p_sourceFileNameWithPath : TestCases/AliasTests/localNonLocal.c
std::string p_sourceFileNameWithoutPath : localNonLocal.c
std::string p_unparse_output_filename :
bool p_useBackendOnly : 0
bool p_compileOnly : 0
std::string p_savedEdgCommandLine : ./CtoOA TestCases/AliasTests/localNonLocal.c
bool p_no_implicit_templates : 0
bool p_no_implicit_inline_templates : 0
bool p_skip_commentsAndDirectives: 0
bool p_collectAllCommentsAndDirectives: 0
ROSEAttributesListContainerPtr p_preprocessorDirectivesAndCommentsList: 0x8fdabc8
AstAttributeMechanism* p_attributeMechanism : 0 bool p_KCC_frontend : 0 bool p_new_frontend : 0 bool p_travTraceToDOT : 0
bool p_disable_edg_backend : 0
bool p_disable_sage_backend : 0
int p_testingLevel : -1
bool p_preinit_il: 0
bool p_enable_cp_backend : 0
bool p_outputGrammarTreeFiles : 0
bool p_outputGrammarTreeFilesForHeaderFiles : 0
bool p_outputGrammarTreeFilesForEDG: 0
```

#### pointer:0x8e2ce40

# Click here to go to the parent node

SgNode\* p\_parent : 0x8e06c78
bool p\_isModified : 0
\$CLASSNAME \* p\_freepointer : 0xffffffff
static SgFunctionTypeTable\* p\_globalFunctionTypeTable : 0x8fd1d60
Sg\_File\_Info\* p\_startOfConstruct : 0x8e1e3f0
Sg\_File\_Info\* p\_endOfConstruct : 0
AttachedPreprocessingInfoType\* p\_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism\* p\_attributeMechanism : 0
SgSymbolTable\* p\_symbol\_table : 0x8e37a28
SgDeclarationStatementPtrList p\_declarations : [0x8e49f00, 0x8e49f60, 0x8e49fc0, 0x8e4a020, 0x8e4a080, 0x8e4a0e0, 0x8e4a188, 0x8e

#### pointer:0xb7ed9490

bool p\_isModified : 0

### Click here to go to the parent node

SgNode\* p\_parent : 0x8e2ce40

```
$CLASSNAME * p_freepointer : 0xffffffff
static SgFunctionTypeTable* p_globalFunctionTypeTable : 0x8fd1d60
Sg_File_Info* p_startOfConstruct : 0x8e22360
Sg_File_Info* p_endOfConstruct : 0x8e22398
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0x8fdb018 AstAttributeMechanism* p_attributeMechanism : 0
unsigned int p_decl_attributes : 0
char* p_linkage :
SgDeclarationModifier p_declarationModifier : FTFFF
bool p_nameOnly: 0
bool p_forward: 0
bool p_externBrace: 0
bool p_skipElaborateType : 0
bool p_need_name_qualifier : 0
SgDeclarationStatement* p_definingDeclaration : 0xb7ed9490
SgDeclarationStatement* p_firstNondefiningDeclaration : 0
SgName p_name : "foo"
SgFunctionParameterList* p_parameterList : 0xb7e9df0c
SgFunctionModifier p_functionModifier : FTFFF
SgFunctionFunctionModifier p_specialFunctionModifier : FTFFF
SgSpecialFunctionModifier p_specialFunctionModifier : FTFFF
SgFunctionType* p_type : 0x8ec6a68
SgFunctionDefinition* p_definition : 0x8f78bf8
bool p_oldStyleDefinition: 0
SgScopeStatement* p_scope : 0x8e2ce40
SgDeclarationStatement::template_specialization_enum p_specialization : 1
```

### pointer:0xb7e9df0c

```
SgNode* p_parent : 0xb7ed9490
bool p_isModified : 0
$CLASSNAME * p_freepointer : 0xffffffff
static SgFunctionTypeTable* p_globalFunctionTypeTable : 0x8fd1d60
Sg_File_Info* p_startOfConstruct : 0x8e223d0
Sg_File_Info* p_endOfConstruct : 0x8e22408
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
unsigned int p_decl_attributes : 0
char* p_linkage :
SgDeclarationModifier p_declarationModifier : FTFFF
bool p_nameOnly : 0
bool p_forward : 0
bool p_externBrace : 0
bool p_skipElaborateType : 0
bool p_need_name_qualifier : 0
SgDeclarationStatement* p_definingDeclaration : 0xb7e9df0c
SgDeclarationStatement* p_firstNondefiningDeclaration : 0xb7e9df0c
SgInitializedNamePtrList p_args : []
```

### pointer:0x8f78bf8

# Click here to go to the parent node

SgNode\* p\_parent: 0xb7ed9490
bool p\_isModified: 0
\$CLASSNAME \* p\_freepointer: 0xffffffff
static SgFunctionTypeTable\* p\_globalFunctionTypeTable: 0x8fd1d60
Sg\_File\_Info\* p\_startOfConstruct: 0x8e22360
Sg\_File\_Info\* p\_endOfConstruct: 0x8e22440
AttachedPreprocessingInfoType\* p\_attachedPreprocessingInfoPtr: 0
AstAttributeMechanism\* p\_attributeMechanism: 0
SgSymbolTable\* p\_symbol\_table: 0x8e37a5c
SgBasicBlock\* p\_body: 0x8f83a10

### pointer:0x8f83a10

# Click here to go to the parent node

SgNode\* p\_parent: 0x8f78bf8
bool p\_isModified: 0
\$CLASSNAME \* p\_freepointer: 0xffffffff
static SgFunctionTypeTable\* p\_globalFunctionTypeTable: 0x8fd1d60
Sg\_File\_Info\* p\_startOfConstruct: 0x8e224e8
Sg\_File\_Info\* p\_endOfConstruct: 0x8e22520
AttachedPreprocessingInfoType\* p\_attachedPreprocessingInfoPtr: 0
AstAttributeMechanism\* p\_attributeMechanism: 0
SgSymbolTable\* p\_symbol\_table: 0x8e37a90
SgStatementPtrList p\_statements: [0x8f82968]

# pointer:0x8f8e700

# Click here to go to the parent node

SgNode\* p\_parent : 0x8f83a10
bool p\_isModified : 0
\$CLASSNAME \* p\_freepointer : 0xffffffff
static SgFunctionTypeTable\* p\_globalFunctionTypeTable : 0x8fd1d60
Sg\_File\_Info\* p\_startOfConstruct : 0x8e225c8
Sg\_File\_Info\* p\_endOfConstruct : 0x8e22600
AttachedPreprocessingInfoType\* p\_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism\* p\_attributeMechanism : 0

### pointer:0xb7ed95e8

bool p\_isModified : 0

#### Click here to go to the parent node

SgNode\* p\_parent : 0x8e2ce40

```
$CLASSNAME * p_freepointer : 0xffffffff
static SgFunctionTypeTable* p_globalFunctionTypeTable : 0x8fd1d60
Sg_File_Info* p_startOfConstruct : 0x8e22670
Sg_File_Info* p_endOfConstruct : 0x8e226a8
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
unsigned int p_decl_attributes : 0
char* p_linkage :
SgDeclarationModifier p_declarationModifier : FTFFF
bool p_nameOnly : 0
bool p_nemeOnly : 0
bool p_skipElaborateType : 0
bool p_skipElaborateType : 0
bool p_need_name_qualifier : 0
SgDeclarationStatement* p_definingDeclaration : 0xb7ed95e8
SgDeclarationStatement* p_firstNondefiningDeclaration : 0
SgName p_name : "main"
SgFunctionParameterList* p_parameterList : 0xb7e9dff8
SgFunctionParameterList* p_parameterList : TFFFF
SgSpecialFunctionModifier p_specialFunctionModifier : FTFFF
SgSpecialFunctionModifier p_specialFunctionModifier : FTFFF
SgFunctionType* p_type : 0x8ec6aa0
SgFunctionDefinition* p_definition : 0x8f78c20
bool p_oldStyleDefinition : 0
SgScopeStatement* p_scope : 0x8e2ce40
SgDeclarationStatement::template_specialization_enum p_specialization : 1
```

#### pointer:0xb7e9dff8

```
SgNode* p_parent : 0xb7ed95e8
bool p_isModified : 0
$CLASSNAME * p_freepointer : 0xffffffff
static SgFunctionTypeTable* p_globalFunctionTypeTable : 0x8fd1d60
Sg_File_Info* p_startOfConstruct : 0x8e226e0
Sg_File_Info* p_endOfConstruct : 0x8e22718
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
unsigned int p_decl_attributes : 0
char* p_linkage :
SgDeclarationModifier p_declarationModifier : FTFFF
bool p_nameOnly : 0
bool p_forward : 0
bool p_externBrace : 0
bool p_skipElaborateType : 0
bool p_need_name_qualifier : 0
SgDeclarationStatement* p_definingDeclaration : 0xb7e9dff8
SgDeclarationStatement* p_firstNondefiningDeclaration : 0xb7e9dff8
SgInitializedNamePtrList p_args : []
```

### pointer:0x8f78c20

# Click here to go to the parent node

SgNode\* p\_parent : 0xb7ed95e8
bool p\_isModified : 0
\$CLASSNAME \* p\_freepointer : 0xffffffff
static SgFunctionTypeTable\* p\_globalFunctionTypeTable : 0x8fd1d60
Sg\_File\_Info\* p\_startOfConstruct : 0x8e22670
Sg\_File\_Info\* p\_endOfConstruct : 0x8e22750
AttachedPreprocessingInfoType\* p\_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism\* p\_attributeMechanism : 0
SgSymbolTable\* p\_symbol\_table : 0x8e37ac4
SgBasicBlock\* p\_body : 0x8f83a3c

### pointer:0x8f83a3c

```
SgNode* p_parent: 0x8f78c20
bool p_isModified: 0
$CLASSNAME * p_freepointer: 0xffffffff
static SgFunctionTypeTable* p_globalFunctionTypeTable: 0x8fd1d60
Sg_File_Info* p_startOfConstruct: 0x8e227f8
Sg_File_Info* p_endOfConstruct: 0x8e22830
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr: 0
AstAttributeMechanism* p_attributeMechanism: 0
SgSymbolTable* p_symbol_table: 0x8e37af8
SgStatementPtrList p_statements: [0x8f829b0, 0x8f829c8, 0x8f829e0, 0x8f829f8]
```

#### pointer:0xb7df90fc

```
SgNode* p_parent: 0x8f83a3c
bool p_isModified: 0
$CLASSNAME * p_freepointer: 0xffffffff
static SgFunctionTypeTable* p_globalFunctionTypeTable: 0x8fd1d60
Sg_File_Info* p_startOfConstruct: 0x8e22910
Sg_File_Info* p_endOfConstruct: 0x8e22948
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr: 0x8fdf1b8
AstAttributeMechanism* p_attributeMechanism: 0
unsigned int p_decl_attributes: 0
char* p_linkage:
SgDeclarationModifier p_declarationModifier: FFFFF
bool p_nameOnly: 1
bool p_forward: 0
bool p_externBrace: 0
bool p_skipElaborateType: 0
bool p_need_name_qualifier: 0
SgDeclarationStatement* p_definingDeclaration: 0
SgDeclarationStatement* p_variables: [0x8f82998]
bool p_variableDeclarationContainsBaseTypeDefiningDeclaration: 0
SgDeclarationStatement::template_specialization_enum p_specialization: 1
```

#### pointer:0x8edaf1c

```
SgNode* p_parent: 0xb7df90fc
bool p_isModified: 0
$CLASSNAME * p_freepointer: 0xffffffff
static SgFunctionTypeTable* p_globalFunctionTypeTable: 0x8fd1d60
Sg_File_Info* p_file_info: 0x8e22980
SgName p_name: "x"
SgType* p_typeptr: 0x8eff230
SgInitializer* p_initptr: 0
SgInitializedName* p_prev_decl_item: 0
bool p_is_initializer: 1
SgDeclarationStatement* p_declptr: 0xb7dbf0f4
SgStorageModifier* p_storageModifier: 0x8eee584
SgScopeStatement* p_scope: 0x8f83a3c
SgInitializedName::preinitialization_enum p_preinitialization: 0
SgQualifiedNamePtrList p_qualifiedNameList: []
AstAttributeMechanism* p_attributeMechanism: 0
```

# pointer:0x8fb0098

# Click here to go to the parent node

SgNode\* p\_parent : 0x8f83a3c
bool p\_isModified : 0
\$CLASSNAME \* p\_freepointer : 0xffffffff
static SgFunctionTypeTable\* p\_globalFunctionTypeTable : 0x8fd1d60
Sg\_File\_Info\* p\_startOfConstruct : 0x8e22b08
Sg\_File\_Info\* p\_endOfConstruct : 0x8e229f0
AttachedPreprocessingInfoType\* p\_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism\* p\_attributeMechanism : 0
SgExpressionRoot\* p\_expression\_root : 0x8fb8d40

#### pointer:0x8fb8d40

```
SgNode* p_parent: 0x8fb0098
bool p_isModified: 0
$CLASSNAME * p_freepointer: 0xffffffff
static SgFunctionTypeTable* p_globalFunctionTypeTable: 0x8fd1d60
Sg_File_Info* p_startOfConstruct: 0x8e22a28
Sg_File_Info* p_endOfConstruct: 0
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr: 0
AstAttributeMechanism* p_attributeMechanism: 0
bool p_need_paren: 0
bool p_lvalue: 0
SgQualifiedNamePtrList p_qualifiedNameList: []
SgExpression* p_operand_i: 0x8fa25a0
SgType* p_expression_type: 0
SgUnaryOp::Sgop_mode p_mode: 0
```

#### pointer:0x8fa25a0

```
SgNode* p_parent: 0x8fb8d40
bool p_isModified: 0
$CLASSNAME * p_freepointer: 0xffffffff
static SgFunctionTypeTable* p_globalFunctionTypeTable: 0x8fd1d60
Sg_File_Info* p_startOfConstruct: 0x8e22a28
Sg_File_Info* p_endOfConstruct: 0
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr: 0
AstAttributeMechanism* p_attributeMechanism: 0
bool p_need_paren: 0
bool p_lvalue: 1
SgQualifiedNamePtrList p_qualifiedNameList: []
SgExpression* p_lhs_operand_i: 0x8f969e8
SgExpression* p_rhs_operand_i: 0x8f585a4
SgType* p_expression_type: 0
```

# pointer:0x8f969e8

```
SgNode* p_parent : 0x8fa25a0
bool p_isModified : 0
$CLASSNAME * p_freepointer : 0xffffffff
static SgFunctionTypeTable* p_globalFunctionTypeTable : 0x8fd1d60
Sg_File_Info* p_startOfConstruct : 0x8e22a60
Sg_File_Info* p_endOfConstruct : 0
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
bool p_need_paren : 0
bool p_lvalue : 1
SgQualifiedNamePtrList p_qualifiedNameList : []
SgVariableSymbol* p_symbol : 0x8f72ca8: varsym x declared at 0x0x8edaf1c
```

### pointer:0x8f585a4

```
SgNode* p_parent: 0x8fa25a0
bool p_isModified: 0
$CLASSNAME * p_freepointer: 0xffffffff
static SgFunctionTypeTable* p_globalFunctionTypeTable: 0x8fd1d60
Sg_File_Info* p_startOfConstruct: 0x8e22ad0
Sg_File_Info* p_endOfConstruct: 0
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr: 0
AstAttributeMechanism* p_attributeMechanism: 0
bool p_need_paren: 1
bool p_lvalue: 0
SgQualifiedNamePtrList p_qualifiedNameList: []
SgExpression* p_valueExpressionTree: 0
int p_value: 3
```

# pointer:0x8fc68c8

# Click here to go to the parent node

SgNode\* p\_parent : 0x8f83a3c
bool p\_isModified : 0
\$CLASSNAME \* p\_freepointer : 0xffffffff
static SgFunctionTypeTable\* p\_globalFunctionTypeTable : 0x8fd1d60
Sg\_File\_Info\* p\_startOfConstruct : 0x8e22be8
Sg\_File\_Info\* p\_endOfConstruct : 0x8e22b78
AttachedPreprocessingInfoType\* p\_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism\* p\_attributeMechanism : 0
SgExpressionRoot\* p\_expression\_root : 0x8fb8d78

#### pointer:0x8fb8d78

```
SgNode* p_parent: 0x8fc68c8
bool p_isModified: 0
$CLASSNAME * p_freepointer: 0xffffffff
static SgFunctionTypeTable* p_globalFunctionTypeTable: 0x8fd1d60
Sg_File_Info* p_startOfConstruct: 0x8e22c58
Sg_File_Info* p_endOfConstruct: 0
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr: 0
AstAttributeMechanism* p_attributeMechanism: 0
bool p_need_paren: 0
bool p_lvalue: 0
SgQualifiedNamePtrList p_qualifiedNameList: []
SgExpression* p_operand_i: 0x8f585d8
SgType* p_expression_type: 0
SgUnaryOp::Sgop_mode p_mode: 0
```

### pointer:0x8f585d8

```
SgNode* p_parent: 0x8fb8d78
bool p_isModified: 0
$CLASSNAME * p_freepointer: 0xffffffff
static SgFunctionTypeTable* p_globalFunctionTypeTable: 0x8fd1d60
Sg_File_Info* p_startOfConstruct: 0x8e22c58
Sg_File_Info* p_endOfConstruct: 0
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr: 0
AstAttributeMechanism* p_attributeMechanism: 0
bool p_need_paren: 0
bool p_lvalue: 0
SgQualifiedNamePtrList p_qualifiedNameList: []
SgExpression* p_valueExpressionTree: 0
int p_value: 0
```

# pointer:0x8f8e720

# Click here to go to the parent node

SgNode\* p\_parent : 0x8f83a3c bool p\_isModified : 0 \$CLASSNAME \* p\_freepointer : 0xffffffff static SgFunctionTypeTable\* p\_globalFunctionTypeTable : 0x8fd1d60 Sg\_File\_Info\* p\_startOfConstruct : 0x8e22c90 Sg\_File\_Info\* p\_endOfConstruct : 0x8e22cc8 AttachedPreprocessingInfoType\* p\_attachedPreprocessingInfoPtr : 0 AstAttributeMechanism\* p\_attributeMechanism : 0