

pointer:0x94bec78

root node

```
SgNode* p_parent : 0x94603b0
bool p_isModified : 0
$CLASSNAME * p_freepointer : 0xffffffff
static SgFunctionTypeTable* p_globalFunctionTypeTable : 0x98852c8
Sg_File_Info* p_file_info : 0x94d63b8
SgGlobal* p_root : 0x94e4e40
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/passIntPtrArrayRef2.c
std::string p_sourceFileNameWithoutPath : passIntPtrArrayRef2.c
std::string p_unparse_output_filename :
bool p_useBackendOnly : 0
bool p_compileOnly : 0
std::string p_savedEdgCommandLine : ./CtoOA TestCases/AliasTests/passIntPtrArrayRef2.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 : 0x9883598
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
```

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

```
SgNode* p_parent : 0x94bec78
bool p_isModified : 0
$CLASSNAME * p_freepointer : 0xffffffff
static SgFunctionTypeTable* p_globalFunctionTypeTable : 0x98852c8
Sg_File_Info* p_startOfConstruct : 0x94d63f0
Sg_File_Info* p_endOfConstruct : 0
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
SgSymbolTable* p_symbol_table : 0x94efa28
SgDeclarationStatementPtrList p_declarations : [0x9501840, 0x95018a0, 0x9501900, 0x9501960, 0x95019c0, 0x9501a20, 0x9501ac8, 0x9501b20, 0x9501b80, 0x9501be0, 0x9501c40, 0x9501ca0, 0x9501d00, 0x9501d60, 0x9501dc0, 0x9501e20, 0x9501e80, 0x9501ee0, 0x9501f40, 0x9501fa0, 0x9501fc0, 0x9501fe0, 0x9502040, 0x95020a0, 0x9502100, 0x9502160, 0x95021c0, 0x9502220, 0x9502280, 0x95022e0, 0x9502340, 0x95023a0, 0x9502400, 0x9502460, 0x95024c0, 0x9502520, 0x9502580, 0x95025e0, 0x9502640, 0x95026a0, 0x9502700, 0x9502760, 0x95027c0, 0x9502820, 0x9502880, 0x95028e0, 0x9502940, 0x95029a0, 0x9502a00, 0x9502a60, 0x9502ac0, 0x9502b20, 0x9502b80, 0x9502be0, 0x9502c40, 0x9502ca0, 0x9502d00, 0x9502d60, 0x9502dc0, 0x9502e20, 0x9502e80, 0x9502ee0, 0x9502f40, 0x9502fa0, 0x9502fc0, 0x9502fe0, 0x9503040, 0x95030a0, 0x9503100, 0x9503160, 0x95031c0, 0x9503220, 0x9503280, 0x95032e0, 0x9503340, 0x95033a0, 0x9503400, 0x9503460, 0x95034c0, 0x9503520, 0x9503580, 0x95035e0, 0x9503640, 0x95036a0, 0x9503700, 0x9503760, 0x95037c0, 0x9503820, 0x9503880, 0x95038e0, 0x9503940, 0x95039a0, 0x9503a00, 0x9503a60, 0x9503ac0, 0x9503b20, 0x9503b80, 0x9503be0, 0x9503c40, 0x9503ca0, 0x9503d00, 0x9503d60, 0x9503dc0, 0x9503e20, 0x9503e80, 0x9503ee0, 0x9503f40, 0x9503fa0, 0x9503fc0, 0x9503fe0, 0x9504040, 0x95040a0, 0x9504100, 0x9504160, 0x95041c0, 0x9504220, 0x9504280, 0x95042e0, 0x9504340, 0x95043a0, 0x9504400, 0x9504460, 0x95044c0, 0x9504520, 0x9504580, 0x95045e0, 0x9504640, 0x95046a0, 0x9504700, 0x9504760, 0x95047c0, 0x9504820, 0x9504880, 0x95048e0, 0x9504940, 0x95049a0, 0x9504a00, 0x9504a60, 0x9504ac0, 0x9504b20, 0x9504b80, 0x9504be0, 0x9504c40, 0x9504ca0, 0x9504d00, 0x9504d60, 0x9504dc0, 0x9504e20, 0x9504e80, 0x9504ee0, 0x9504f40, 0x9504fa0, 0x9504fc0, 0x9504fe0, 0x9505040, 0x95050a0, 0x9505100, 0x9505160, 0x95051c0, 0x9505220, 0x9505280, 0x95052e0, 0x9505340, 0x95053a0, 0x9505400, 0x9505460, 0x95054c0, 0x9505520, 0x9505580, 0x95055e0, 0x9505640, 0x95056a0, 0x9505700, 0x9505760, 0x95057c0, 0x9505820, 0x9505880, 0x95058e0, 0x9505940, 0x95059a0, 0x9505a00, 0x9505a60, 0x9505ac0, 0x9505b20, 0x9505b80, 0x9505be0, 0x9505c40, 0x9505ca0, 0x9505d00, 0x9505d60, 0x9505dc0, 0x9505e20, 0x9505e80, 0x9505ee0, 0x9505f40, 0x9505fa0, 0x9505fc0, 0x9505fe0, 0x9506040, 0x95060a0, 0x9506100, 0x9506160, 0x95061c0, 0x9506220, 0x9506280, 0x95062e0, 0x9506340, 0x95063a0, 0x9506400, 0x9506460, 0x95064c0, 0x9506520, 0x9506580, 0x95065e0, 0x9506640, 0x95066a0, 0x9506700, 0x9506760, 0x95067c0, 0x9506820, 0x9506880, 0x95068e0, 0x9506940, 0x95069a0, 0x9506a00, 0x9506a60, 0x9506ac0, 0x9506b20, 0x9506b80, 0x9506be0, 0x9506c40, 0x9506ca0, 0x9506d00, 0x9506d60, 0x9506dc0, 0x9506e20, 0x9506e80, 0x9506ee0, 0x9506f40, 0x9506fa0, 0x9506fc0, 0x9506fe0, 0x9507040, 0x95070a0, 0x9507100, 0x9507160, 0x95071c0, 0x9507220, 0x9507280, 0x95072e0, 0x9507340, 0x95073a0, 0x9507400, 0x9507460, 0x95074c0, 0x9507520, 0x9507580, 0x95075e0, 0x9507640, 0x95076a0, 0x9507700, 0x9507760, 0x95077c0, 0x9507820, 0x9507880, 0x95078e0, 0x9507940, 0x95079a0, 0x9507a00, 0x9507a60, 0x9507ac0, 0x9507b20, 0x9507b80, 0x9507be0, 0x9507c40, 0x9507ca0, 0x9507d00, 0x9507d60, 0x9507dc0, 0x9507e20, 0x9507e80, 0x9507ee0, 0x9507f40, 0x9507fa0, 0x9507fc0, 0x9507fe0, 0x9508040, 0x95080a0, 0x9508100, 0x9508160, 0x95081c0, 0x9508220, 0x9508280, 0x95082e0, 0x9508340, 0x95083a0, 0x9508400, 0x9508460, 0x95084c0, 0x9508520, 0x9508580, 0x95085e0, 0x9508640, 0x95086a0, 0x9508700, 0x9508760, 0x95087c0, 0x9508820, 0x9508880, 0x95088e0, 0x9508940, 0x95089a0, 0x9508a00, 0x9508a60, 0x9508ac0, 0x9508b20, 0x9508b80, 0x9508be0, 0x9508c40, 0x9508ca0, 0x9508d00, 0x9508d60, 0x9508dc0, 0x9508e20, 0x9508e80, 0x9508ee0, 0x9508f40, 0x9508fa0, 0x9508fc0, 0x9508fe0, 0x9509040, 0x95090a0, 0x9509100, 0x9509160, 0x95091c0, 0x9509220, 0x9509280, 0x95092e0, 0x9509340, 0x95093a0, 0x9509400, 0x9509460, 0x95094c0, 0x9509520, 0x9509580, 0x95095e0, 0x9509640, 0x95096a0, 0x9509700, 0x9509760, 0x95097c0, 0x9509820, 0x9509880, 0x95098e0, 0x9509940, 0x95099a0, 0x9509a00, 0x9509a60, 0x9509ac0, 0x9509b20, 0x9509b80, 0x9509be0, 0x9509c40, 0x9509ca0, 0x95
```

pointer:0xb7f2bf38

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

```
SgNode* p_parent : 0x94e4e40
bool p_isModified : 0
$CLASSNAME * p_freepointer : 0xffffffff
static SgFunctionTypeTable* p_globalFunctionTypeTable : 0x98852c8
Sg_File_Info* p_startOfConstruct : 0x9804bb8
Sg_File_Info* p_endOfConstruct : 0x9804bf0
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0x9883a18
AstAttributeMechanism* p_attributeMechanism : 0
unsigned int p_decl_attributes : 0
char* p_linkage :
SgDeclarationModifier p_declarationModifier : FTFFFF
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 : 0xb7f2bf38
SgDeclarationStatement* p_firstNondefiningDeclaration : 0
SgName p_name : "blah"
SgFunctionParameterList* p_parameterList : 0xb7eed420
SgFunctionModifier p_functionModifier : FTFFFF
SgSpecialFunctionModifier p_specialFunctionModifier : FTFFFF
SgFunctionType* p_type : 0x95d0c60
SgFunctionDefinition* p_definition : 0x97406c0
bool p_oldStyleDefinition : 0
SgScopeStatement* p_scope : 0x94e4e40
SgDeclarationStatement::template_specialization_enum p_specialization : 1
```

pointer:0xb7eed420

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

```
SgNode* p_parent : 0xb7f2bf38
bool p_isModified : 0
$CLASSNAME * p_freepointer : 0xffffffff
static SgFunctionTypeTable* p_globalFunctionTypeTable : 0x98852c8
Sg_File_Info* p_startOfConstruct : 0x9804c28
Sg_File_Info* p_endOfConstruct : 0x9804c60
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
unsigned int p_decl_attributes : 0
char* p_linkage :
SgDeclarationModifier p_declarationModifier : FTFFFF
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 : 0xb7eed420
SgDeclarationStatement* p_firstNondefiningDeclaration : 0xb7eed420
SgInitializedNamePtrList p_args : [0x9826a88, 0x9826aa0]
```

pointer:0x95ea680

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

```
SgNode* p_parent : 0xb7eed420
bool p_isModified : 0
$CLASSNAME * p_freepointer : 0xffffffff
static SgFunctionTypeTable* p_globalFunctionTypeTable : 0x98852c8
Sg_File_Info* p_file_info : 0x9804cd0
SgName p_name : "s"
SgType* p_typeptr : 0x9611fa0
SgInitializer* p_initptr : 0
SgInitializedName* p_prev_decl_item : 0
bool p_is_initializer : 1
SgDeclarationStatement* p_declptr : 0
SgStorageModifier* p_storageModifier : 0x95f85a8
SgScopeStatement* p_scope : 0x97406c0
SgInitializedName::preinitialization_enum p_preinitialization : 0
SgQualifiedNamePtrList p_qualifiedNameList : []
AstAttributeMechanism* p_attributeMechanism : 0
```

pointer:0x95ea6d4

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

```
SgNode* p_parent : 0xb7eed420
bool p_isModified : 0
$CLASSNAME * p_freepointer : 0xffffffff
static SgFunctionTypeTable* p_globalFunctionTypeTable : 0x98852c8
Sg_File_Info* p_file_info : 0x9804d08
SgName p_name : "t"
SgType* p_typeptr : 0x9611fa0
SgInitializer* p_initptr : 0
SgInitializedName* p_prev_decl_item : 0
bool p_is_initializer : 1
SgDeclarationStatement* p_declptr : 0
SgStorageModifier* p_storageModifier : 0x95f85bc
SgScopeStatement* p_scope : 0x97406c0
SgInitializedName::preinitialization_enum p_preinitialization : 0
SgQualifiedNamePtrList p_qualifiedNameList : []
AstAttributeMechanism* p_attributeMechanism : 0
```

pointer:0x97406c0

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

```
SgNode* p_parent : 0xb7f2bf38
bool p_isModified : 0
$CLASSNAME * p_freepointer : 0xffffffff
static SgFunctionTypeTable* p_globalFunctionTypeTable : 0x98852c8
Sg_File_Info* p_startOfConstruct : 0x9804bb8
Sg_File_Info* p_endOfConstruct : 0x9804c98
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
SgSymbolTable* p_symbol_table : 0x94f0110
SgBasicBlock* p_body : 0x974a58c
```

pointer:0x974a58c

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

```
SgNode* p_parent : 0x97406c0
bool p_isModified : 0
$CLASSNAME * p_freepointer : 0xffffffff
static SgFunctionTypeTable* p_globalFunctionTypeTable : 0x98852c8
Sg_File_Info* p_startOfConstruct : 0x9804db0
Sg_File_Info* p_endOfConstruct : 0x9804de8
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
SgSymbolTable* p_symbol_table : 0x94f0144
SgStatementPtrList p_statements : [0x9826ad0, 0x9826b18, 0x9826ae8]
```


pointer:0x98285a0

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

```
SgNode* p_parent : 0x974a58c
bool p_isModified : 0
$CLASSNAME * p_freepointer : 0xffffffff
static SgFunctionTypeTable* p_globalFunctionTypeTable : 0x98852c8
Sg_File_Info* p_startOfConstruct : 0x9804f38
Sg_File_Info* p_endOfConstruct : 0x9804e58
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
SgSymbolTable* p_symbol_table : 0x94f01ac
SgStatement* p_conditional : 0x984fa60
SgBasicBlock* p_true_body : 0x974a5e4
SgBasicBlock* p_false_body : 0x974a610
```

pointer:0x984fa60

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

```
SgNode* p_parent : 0x98285a0
bool p_isModified : 0
$CLASSNAME * p_freepointer : 0xffffffff
static SgFunctionTypeTable* p_globalFunctionTypeTable : 0x98852c8
Sg_File_Info* p_startOfConstruct : 0x9805248
Sg_File_Info* p_endOfConstruct : 0x9804fa8
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
SgExpressionRoot* p_expression_root : 0x97c9b48
```

pointer:0x97c9b48

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

```
SgNode* p_parent : 0x984fa60
bool p_isModified : 0
$CLASSNAME * p_freepointer : 0xffffffff
static SgFunctionTypeTable* p_globalFunctionTypeTable : 0x98852c8
Sg_File_Info* p_startOfConstruct : 0x9804fe0
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 : 0x9841f68
SgType* p_expression_type : 0
SgUnaryOp::Sgop_mode p_mode : 0
```

pointer:0x9841f68

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

```
SgNode* p_parent : 0x97c9b48
bool p_isModified : 0
$CLASSNAME * p_freepointer : 0xffffffff
static SgFunctionTypeTable* p_globalFunctionTypeTable : 0x98852c8
Sg_File_Info* p_startOfConstruct : 0x9804fe0
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_lhs_operand_i : 0x98343b0
SgExpression* p_rhs_operand_i : 0x98343e8
SgType* p_expression_type : 0
```

pointer:0x98343b0

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

```
SgNode* p_parent : 0x9841f68
bool p_isModified : 0
$CLASSNAME * p_freepointer : 0xffffffff
static SgFunctionTypeTable* p_globalFunctionTypeTable : 0x98852c8
Sg_File_Info* p_startOfConstruct : 0x9805088
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_lhs_operand_i : 0x976cc68
SgExpression* p_rhs_operand_i : 0x9661a1c
SgType* p_expression_type : 0
```

pointer:0x976cc68

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

```
SgNode* p_parent : 0x98343b0
bool p_isModified : 0
$CLASSNAME * p_freepointer : 0xffffffff
static SgFunctionTypeTable* p_globalFunctionTypeTable : 0x98852c8
Sg_File_Info* p_startOfConstruct : 0x9805088
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 : []
SgVariableSymbol* p_symbol : 0x967c640: varsym s declared at 0x0x95ea680
```

pointer:0x9661a1c

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

```
SgNode* p_parent : 0x98343b0
bool p_isModified : 0
$CLASSNAME * p_freepointer : 0xffffffff
static SgFunctionTypeTable* p_globalFunctionTypeTable : 0x98852c8
Sg_File_Info* p_startOfConstruct : 0x98050f8
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:0x98343e8

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

```
SgNode* p_parent : 0x9841f68
bool p_isModified : 0
$CLASSNAME * p_freepointer : 0xffffffff
static SgFunctionTypeTable* p_globalFunctionTypeTable : 0x98852c8
Sg_File_Info* p_startOfConstruct : 0x98051a0
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_lhs_operand_i : 0x976cc98
SgExpression* p_rhs_operand_i : 0x9661a50
SgType* p_expression_type : 0
```


pointer:0x976cc98

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

```
SgNode* p_parent : 0x98343e8
bool p_isModified : 0
$CLASSNAME * p_freepointer : 0xffffffff
static SgFunctionTypeTable* p_globalFunctionTypeTable : 0x98852c8
Sg_File_Info* p_startOfConstruct : 0x98051a0
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 : []
SgVariableSymbol* p_symbol : 0x967c658: varsym t declared at 0x0x95ea6d4
```

pointer:0x9661a50

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

```
SgNode* p_parent : 0x98343e8
bool p_isModified : 0
$CLASSNAME * p_freepointer : 0xffffffff
static SgFunctionTypeTable* p_globalFunctionTypeTable : 0x98852c8
Sg_File_Info* p_startOfConstruct : 0x9805210
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:0x974a5e4

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

```
SgNode* p_parent : 0x98285a0
bool p_isModified : 0
$CLASSNAME * p_freepointer : 0xffffffff
static SgFunctionTypeTable* p_globalFunctionTypeTable : 0x98852c8
Sg_File_Info* p_startOfConstruct : 0x98052f0
Sg_File_Info* p_endOfConstruct : 0x9805328
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0x98a6288
AstAttributeMechanism* p_attributeMechanism : 0
SgSymbolTable* p_symbol_table : 0x94f01e0
SgStatementPtrList p_statements : [0x9826b00]
```

pointer:0x97d75c8

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

```
SgNode* p_parent : 0x974a5e4
bool p_isModified : 0
$CLASSNAME * p_freepointer : 0xffffffff
static SgFunctionTypeTable* p_globalFunctionTypeTable : 0x98852c8
Sg_File_Info* p_startOfConstruct : 0x9805360
Sg_File_Info* p_endOfConstruct : 0x9805398
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
```

pointer:0x974a610

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

```
SgNode* p_parent : 0x98285a0
bool p_isModified : 0
$CLASSNAME * p_freepointer : 0xffffffff
static SgFunctionTypeTable* p_globalFunctionTypeTable : 0x98852c8
Sg_File_Info* p_startOfConstruct : 0x9805440
Sg_File_Info* p_endOfConstruct : 0x9805478
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
SgSymbolTable* p_symbol_table : 0x94f0214
SgStatementPtrList p_statements : []
```

pointer:0x9755304

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

```
SgNode* p_parent : 0x974a58c
bool p_isModified : 0
$CLASSNAME * p_freepointer : 0xffffffff
static SgFunctionTypeTable* p_globalFunctionTypeTable : 0x98852c8
Sg_File_Info* p_startOfConstruct : 0x9805558
Sg_File_Info* p_endOfConstruct : 0x98054e8
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
SgExpressionRoot* p_expression_root : 0x97c9b80
```

pointer:0x97c9b80

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

```
SgNode* p_parent : 0x9755304
bool p_isModified : 0
$CLASSNAME * p_freepointer : 0xffffffff
static SgFunctionTypeTable* p_globalFunctionTypeTable : 0x98852c8
Sg_File_Info* p_startOfConstruct : 0x98055c8
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 : 0x9661a84
SgType* p_expression_type : 0
SgUnaryOp::Sgop_mode p_mode : 0
```

pointer:0x9661a84

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

```
SgNode* p_parent : 0x97c9b80
bool p_isModified : 0
$CLASSNAME * p_freepointer : 0xffffffff
static SgFunctionTypeTable* p_globalFunctionTypeTable : 0x98852c8
Sg_File_Info* p_startOfConstruct : 0x98055c8
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:0x97d75e8

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

```
SgNode* p_parent : 0x974a58c
bool p_isModified : 0
$CLASSNAME * p_freepointer : 0xffffffff
static SgFunctionTypeTable* p_globalFunctionTypeTable : 0x98852c8
Sg_File_Info* p_startOfConstruct : 0x9805600
Sg_File_Info* p_endOfConstruct : 0x9805638
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
```

pointer:0xb7f2c090

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

```
SgNode* p_parent : 0x94e4e40
bool p_isModified : 0
$CLASSNAME * p_freepointer : 0xffffffff
static SgFunctionTypeTable* p_globalFunctionTypeTable : 0x98852c8
Sg_File_Info* p_startOfConstruct : 0x98056a8
Sg_File_Info* p_endOfConstruct : 0x98056e0
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
unsigned int p_decl_attributes : 0
char* p_linkage :
SgDeclarationModifier p_declarationModifier : FTFFFF
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 : 0xb7f2c090
SgDeclarationStatement* p_firstNondefiningDeclaration : 0
SgName p_name : "main"
SgFunctionParameterList* p_parameterList : 0xb7eed50c
SgFunctionModifier p_functionModifier : FTFFFF
SgSpecialFunctionModifier p_specialFunctionModifier : FTFFFF
SgFunctionType* p_type : 0x95d0c98
SgFunctionDefinition* p_definition : 0x97406e8
bool p_oldStyleDefinition : 0
SgScopeStatement* p_scope : 0x94e4e40
SgDeclarationStatement::template_specialization_enum p_specialization : 1
```

pointer:0xb7eed50c

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

```
SgNode* p_parent : 0xb7f2c090
bool p_isModified : 0
$CLASSNAME * p_freepointer : 0xffffffff
static SgFunctionTypeTable* p_globalFunctionTypeTable : 0x98852c8
Sg_File_Info* p_startOfConstruct : 0x9805718
Sg_File_Info* p_endOfConstruct : 0x9805750
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
unsigned int p_decl_attributes : 0
char* p_linkage :
SgDeclarationModifier p_declarationModifier : FTFFFF
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 : 0xb7eed50c
SgDeclarationStatement* p_firstNondefiningDeclaration : 0xb7eed50c
SgInitializedNamePtrList p_args : []
```

pointer:0x97406e8

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

```
SgNode* p_parent : 0xb7f2c090
bool p_isModified : 0
$CLASSNAME * p_freepointer : 0xffffffff
static SgFunctionTypeTable* p_globalFunctionTypeTable : 0x98852c8
Sg_File_Info* p_startOfConstruct : 0x98056a8
Sg_File_Info* p_endOfConstruct : 0x9805788
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
SgSymbolTable* p_symbol_table : 0x94f0248
SgBasicBlock* p_body : 0x974a63c
```

pointer:0x974a63c

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

```
SgNode* p_parent : 0x97406e8
bool p_isModified : 0
$CLASSNAME * p_freepointer : 0xffffffff
static SgFunctionTypeTable* p_globalFunctionTypeTable : 0x98852c8
Sg_File_Info* p_startOfConstruct : 0x9805830
Sg_File_Info* p_endOfConstruct : 0x9805868
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
SgSymbolTable* p_symbol_table : 0x94f027c
SgStatementPtrList p_statements : [0x9826b60, 0x9826bc0, 0x9826bd8, 0x9826bf0]
```

pointer:0xb7e46018

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

```
SgNode* p_parent : 0x974a63c
bool p_isModified : 0
$CLASSNAME * p_freepointer : 0xffffffff
static SgFunctionTypeTable* p_globalFunctionTypeTable : 0x98852c8
Sg_File_Info* p_startOfConstruct : 0x9805980
Sg_File_Info* p_endOfConstruct : 0x98059b8
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0x98a6fb8
AstAttributeMechanism* p_attributeMechanism : 0
unsigned int p_decl_attributes : 0
char* p_linkage :
SgDeclarationModifier p_declarationModifier : FFFFFF
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_firstNondefiningDeclaration : 0xb7e46018
SgInitializedNamePtrList p_variables : [0x9826b48]
bool p_variableDeclarationContainsBaseTypeDefiningDeclaration : 0
SgDeclarationStatement::template_specialization_enum p_specialization : 1
```

pointer:0x95ea728

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

```
SgNode* p_parent : 0xb7e46018
bool p_isModified : 0
$CLASSNAME * p_freepointer : 0xffffffff
static SgFunctionTypeTable* p_globalFunctionTypeTable : 0x98852c8
Sg_File_Info* p_file_info : 0x98059f0
SgName p_name : "a"
SgType* p_typeptr : 0x96ebd18
SgInitializer* p_initptr : 0
SgInitializedName* p_prev_decl_item : 0
bool p_is_initializer : 1
SgDeclarationStatement* p_declptr : 0xb7e0bd78
SgStorageModifier* p_storageModifier : 0x95f85d0
SgScopeStatement* p_scope : 0x974a63c
SgInitializedName::preinitialization_enum p_preinitialization : 0
SgQualifiedNamePtrList p_qualifiedNameList : []
AstAttributeMechanism* p_attributeMechanism : 0
```

pointer:0xb7e4610c

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

```
SgNode* p_parent : 0x974a63c
bool p_isModified : 0
$CLASSNAME * p_freepointer : 0xffffffff
static SgFunctionTypeTable* p_globalFunctionTypeTable : 0x98852c8
Sg_File_Info* p_startOfConstruct : 0x9805e18
Sg_File_Info* p_endOfConstruct : 0x9805e50
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
unsigned int p_decl_attributes : 0
char* p_linkage :
SgDeclarationModifier p_declarationModifier : FFFFFF
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_firstNondefiningDeclaration : 0xb7e4610c
SgInitializedNamePtrList p_variables : [0x9826ba8]
bool p_variableDeclarationContainsBaseTypeDefiningDeclaration : 0
SgDeclarationStatement::template_specialization_enum p_specialization : 1
```


pointer:0x95ea77c

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

```
SgNode* p_parent : 0xb7e4610c
bool p_isModified : 0
$CLASSNAME * p_freepointer : 0xffffffff
static SgFunctionTypeTable* p_globalFunctionTypeTable : 0x98852c8
Sg_File_Info* p_file_info : 0x9805e88
SgName p_name : "x"
SgType* p_typeptr : 0x96073b8
SgInitializer* p_initptr : 0x966e270
SgInitializedName* p_prev_decl_item : 0
bool p_is_initializer : 1
SgDeclarationStatement* p_declptr : 0xb7e0be64
SgStorageModifier* p_storageModifier : 0x95f85e4
SgScopeStatement* p_scope : 0x974a63c
SgInitializedName::preinitialization_enum p_preinitialization : 0
SgQualifiedNamePtrList p_qualifiedNameList : []
AstAttributeMechanism* p_attributeMechanism : 0
```

pointer:0x966e270

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

```
SgNode* p_parent : 0x95ea77c
bool p_isModified : 0
$CLASSNAME * p_freepointer : 0xffffffff
static SgFunctionTypeTable* p_globalFunctionTypeTable : 0x98852c8
Sg_File_Info* p_startOfConstruct : 0x9805de0
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 : []
bool p_is_explicit_cast : 1
SgExpression* p_operand_i : 0x9865cc0
SgType* p_expression_type : 0
```

pointer:0x9865cc0

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

```
SgNode* p_parent : 0x966e270
bool p_isModified : 0
$CLASSNAME * p_freepointer : 0xffffffff
static SgFunctionTypeTable* p_globalFunctionTypeTable : 0x98852c8
Sg_File_Info* p_startOfConstruct : 0x9805ad0
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_function : 0x9859198
SgExprListExp* p_args : 0x9873788
SgType* p_expression_type : 0
```

pointer:0x9859198

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

```
SgNode* p_parent : 0x9865cc0
bool p_isModified : 0
$CLASSNAME * p_freepointer : 0xffffffff
static SgFunctionTypeTable* p_globalFunctionTypeTable : 0x98852c8
Sg_File_Info* p_startOfConstruct : 0x9805ad0
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 : []
SgFunctionSymbol* p_symbol_i : 0x95dcf38
SgFunctionType* p_function_type : 0
```

pointer:0x9873788

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

```
SgNode* p_parent : 0x9865cc0
bool p_isModified : 0
$CLASSNAME * p_freepointer : 0xffffffff
static SgFunctionTypeTable* p_globalFunctionTypeTable : 0x98852c8
Sg_File_Info* p_startOfConstruct : 0x9805da8
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 : []
SgExpressionPtrList p_expressions : [0x9826b78, 0x9826b90]
```

pointer:0x976ccc8

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

```
SgNode* p_parent : 0x9873788
bool p_isModified : 0
$CLASSNAME * p_freepointer : 0xffffffff
static SgFunctionTypeTable* p_globalFunctionTypeTable : 0x98852c8
Sg_File_Info* p_startOfConstruct : 0x9805c20
Sg_File_Info* p_endOfConstruct : 0
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
bool p_need_paren : 1
bool p_lvalue : 1
SgQualifiedNamePtrList p_qualifiedNameList : []
SgVariableSymbol* p_symbol : 0x967c670: varsym a declared at 0x0x95ea728
```

pointer:0x976ccf8

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

```
SgNode* p_parent : 0x9873788
bool p_isModified : 0
$CLASSNAME * p_freepointer : 0xffffffff
static SgFunctionTypeTable* p_globalFunctionTypeTable : 0x98852c8
Sg_File_Info* p_startOfConstruct : 0x9805d38
Sg_File_Info* p_endOfConstruct : 0
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
bool p_need_paren : 1
bool p_lvalue : 1
SgQualifiedNamePtrList p_qualifiedNameList : []
SgVariableSymbol* p_symbol : 0x967c670: varsym a declared at 0x0x95ea728
```

pointer:0x9755328

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

```
SgNode* p_parent : 0x974a63c
bool p_isModified : 0
$CLASSNAME * p_freepointer : 0xffffffff
static SgFunctionTypeTable* p_globalFunctionTypeTable : 0x98852c8
Sg_File_Info* p_startOfConstruct : 0x9805fd8
Sg_File_Info* p_endOfConstruct : 0x9805f68
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
SgExpressionRoot* p_expression_root : 0x97c9bb8
```


pointer:0x97c9bb8

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

```
SgNode* p_parent : 0x9755328
bool p_isModified : 0
$CLASSNAME * p_freepointer : 0xffffffff
static SgFunctionTypeTable* p_globalFunctionTypeTable : 0x98852c8
Sg_File_Info* p_startOfConstruct : 0x9806048
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 : 0x9661ab8
SgType* p_expression_type : 0
SgUnaryOp::Sgop_mode p_mode : 0
```

pointer:0x9661ab8

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

```
SgNode* p_parent : 0x97c9bb8
bool p_isModified : 0
$CLASSNAME * p_freepointer : 0xffffffff
static SgFunctionTypeTable* p_globalFunctionTypeTable : 0x98852c8
Sg_File_Info* p_startOfConstruct : 0x9806048
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:0x97d7608

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

```
SgNode* p_parent : 0x974a63c
bool p_isModified : 0
$CLASSNAME * p_freepointer : 0xffffffff
static SgFunctionTypeTable* p_globalFunctionTypeTable : 0x98852c8
Sg_File_Info* p_startOfConstruct : 0x9806080
Sg_File_Info* p_endOfConstruct : 0x98060b8
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
```