

pointer:0x8615c70

root node

```
SgNode* p_parent : 0x85b73b0
bool p_isModified : 0
$CLASSNAME * p_freepointer : 0xffffffff
static SgFunctionTypeTable* p_globalFunctionTypeTable : 0x87e08b0
Sg_File_Info* p_file_info : 0x862d3b0
SgGlobal* p_root : 0x863be38
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/alias4.c
std::string p_sourceFileNameWithoutPath : alias4.c
std::string p_unparse_output_filename :
bool p_useBackendOnly : 0
bool p_compileOnly : 0
std::string p_savedEdgCommandLine : ./CtoOA TestCases/AliasTests/alias4.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 : 0x87e9718
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
```

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```
SgNode* p_parent : 0x8615c70  
bool p_isModified : 0  
$CLASSNAME * p_freepointer : 0xffffffff  
static SgFunctionTypeTable* p_globalFunctionTypeTable : 0x87e08b0  
Sg_File_Info* p_startOfConstruct : 0x862d3e8  
Sg_File_Info* p_endOfConstruct : 0  
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0  
AstAttributeMechanism* p_attributeMechanism : 0  
SgSymbolTable* p_symbol_table : 0x8646a20  
SgDeclarationStatementPtrList p_declarations : [0x8658708, 0x8658768, 0x86587c8, 0x8658828, 0x8658888, 0x86588e8, 0x8658990, 0x8658a68]
```

pointer:0xb7eca490

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

```
SgNode* p_parent : 0x863be38
bool p_isModified : 0
$CLASSNAME * p_freepointer : 0xffffffff
static SgFunctionTypeTable* p_globalFunctionTypeTable : 0x87e08b0
Sg_File_Info* p_startOfConstruct : 0x8631358
Sg_File_Info* p_endOfConstruct : 0x8631390
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0x87edc70
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 : 0xb7eca490
SgDeclarationStatement* p_firstNondefiningDeclaration : 0
SgName p_name : "main"
SgFunctionParameterList* p_parameterList : 0xb7e8ef0c
SgFunctionModifier p_functionModifier : FTFFFF
SgSpecialFunctionModifier p_specialFunctionModifier : FTFFFF
SgFunctionType* p_type : 0x86d5ae8
SgFunctionDefinition* p_definition : 0x8787ad8
bool p_oldStyleDefinition : 0
SgScopeStatement* p_scope : 0x863be38
SgDeclarationStatement::template_specialization_enum p_specialization : 1
```

pointer:0xb7e8ef0c

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

```
SgNode* p_parent : 0xb7eca490
bool p_isModified : 0
$CLASSNAME * p_freepointer : 0xffffffff
static SgFunctionTypeTable* p_globalFunctionTypeTable : 0x87e08b0
Sg_File_Info* p_startOfConstruct : 0x86313c8
Sg_File_Info* p_endOfConstruct : 0x8631400
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 : 0xb7e8ef0c
SgDeclarationStatement* p_firstNondefiningDeclaration : 0xb7e8ef0c
SgInitializedNamePtrList p_args : []
```

pointer:0x8787ad8

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

```
SgNode* p_parent : 0xb7eca490
bool p_isModified : 0
$CLASSNAME * p_freepointer : 0xffffffff
static SgFunctionTypeTable* p_globalFunctionTypeTable : 0x87e08b0
Sg_File_Info* p_startOfConstruct : 0x8631358
Sg_File_Info* p_endOfConstruct : 0x8631438
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
SgSymbolTable* p_symbol_table : 0x8646a54
SgBasicBlock* p_body : 0x87918c8
```

pointer:0x87918c8

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

```
SgNode* p_parent : 0x8787ad8
bool p_isModified : 0
$CLASSNAME * p_freepointer : 0xffffffff
static SgFunctionTypeTable* p_globalFunctionTypeTable : 0x87e08b0
Sg_File_Info* p_startOfConstruct : 0x86314e0
Sg_File_Info* p_endOfConstruct : 0x8631518
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
SgSymbolTable* p_symbol_table : 0x8646a88
SgStatementPtrList p_statements : [0x879c5e8, 0x879c618, 0x879c630, 0x879c648, 0x879c660]
```

pointer:0xb7dea0fc

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

```
SgNode* p_parent : 0x87918c8
bool p_isModified : 0
$CLASSNAME * p_freepointer : 0xffffffff
static SgFunctionTypeTable* p_globalFunctionTypeTable : 0x87e08b0
Sg_File_Info* p_startOfConstruct : 0x86315f8
Sg_File_Info* p_endOfConstruct : 0x8631630
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 : 0xb7dea0fc
SgInitializedNamePtrList p_variables : [0x879c5d0]
bool p_variableDeclarationContainsBaseTypeDefiningDeclaration : 0
SgDeclarationStatement::template_specialization_enum p_specialization : 1
```

pointer:0x86e9f9c

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

```
SgNode* p_parent : 0xb7dea0fc
bool p_isModified : 0
$CLASSNAME * p_freepointer : 0xffffffff
static SgFunctionTypeTable* p_globalFunctionTypeTable : 0x87e08b0
Sg_File_Info* p_file_info : 0x8631668
SgName p_name : "a"
SgType* p_typeptr : 0x8718ce8
SgInitializer* p_initptr : 0
SgInitializedName* p_prev_decl_item : 0
bool p_is_initializer : 1
SgDeclarationStatement* p_declptr : 0xb7db00f4
SgStorageModifier* p_storageModifier : 0x86fd604
SgScopeStatement* p_scope : 0x87918c8
SgInitializedName::preinitialization_enum p_preinitialization : 0
SgQualifiedNamePtrList p_qualifiedNameList : []
AstAttributeMechanism* p_attributeMechanism : 0
```



pointer:0xb7dea1f0

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

```
SgNode* p_parent : 0x87918c8
bool p_isModified : 0
$CLASSNAME * p_freepointer : 0xffffffff
static SgFunctionTypeTable* p_globalFunctionTypeTable : 0x87e08b0
Sg_File_Info* p_startOfConstruct : 0x86316d8
Sg_File_Info* p_endOfConstruct : 0x8631710
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 : 0xb7dea1f0
SgInitializedNamePtrList p_variables : [0x879c600]
bool p_variableDeclarationContainsBaseTypeDefiningDeclaration : 0
SgDeclarationStatement::template_specialization_enum p_specialization : 1
```

pointer:0x86e9ff0

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

```
SgNode* p_parent : 0xb7dea1f0
bool p_isModified : 0
$CLASSNAME * p_freepointer : 0xffffffff
static SgFunctionTypeTable* p_globalFunctionTypeTable : 0x87e08b0
Sg_File_Info* p_file_info : 0x8631748
SgName p_name : "b"
SgType* p_typeptr : 0x8718ce8
SgInitializer* p_initptr : 0
SgInitializedName* p_prev_decl_item : 0
bool p_is_initializer : 1
SgDeclarationStatement* p_declptr : 0xb7db01e0
SgStorageModifier* p_storageModifier : 0x86fd618
SgScopeStatement* p_scope : 0x87918c8
SgInitializedName::preinitialization_enum p_preinitialization : 0
SgQualifiedNamePtrList p_qualifiedNameList : []
AstAttributeMechanism* p_attributeMechanism : 0
```

pointer:0x87b6f28

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

```
SgNode* p_parent : 0x87918c8
bool p_isModified : 0
$CLASSNAME * p_freepointer : 0xffffffff
static SgFunctionTypeTable* p_globalFunctionTypeTable : 0x87e08b0
Sg_File_Info* p_startOfConstruct : 0x8631940
Sg_File_Info* p_endOfConstruct : 0x86317b8
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
SgExpressionRoot* p_expression_root : 0x87bfd0
```

pointer:0x87bfb0

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

```
SgNode* p_parent : 0x87b6f28
bool p_isModified : 0
$CLASSNAME * p_freepointer : 0xffffffff
static SgFunctionTypeTable* p_globalFunctionTypeTable : 0x87e08b0
Sg_File_Info* p_startOfConstruct : 0x86317f0
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 : 0x87a9438
SgType* p_expression_type : 0
SgUnaryOp::Sgop_mode p_mode : 0
```

pointer:0x87a9438

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

```
SgNode* p_parent : 0x87bfbd0
bool p_isModified : 0
$CLASSNAME * p_freepointer : 0xffffffff
static SgFunctionTypeTable* p_globalFunctionTypeTable : 0x87e08b0
Sg_File_Info* p_startOfConstruct : 0x86317f0
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 : 0x879d838
SgExpression* p_rhs_operand_i : 0x879d868
SgType* p_expression_type : 0
```

pointer:0x879d838

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

```
SgNode* p_parent : 0x87a9438
bool p_isModified : 0
$CLASSNAME * p_freepointer : 0xffffffff
static SgFunctionTypeTable* p_globalFunctionTypeTable : 0x87e08b0
Sg_File_Info* p_startOfConstruct : 0x8631828
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 : 0x8781b88: varsym a declared at 0x0x86e9f9c
```

pointer:0x879d868

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

```
SgNode* p_parent : 0x87a9438
bool p_isModified : 0
$CLASSNAME * p_freepointer : 0xffffffff
static SgFunctionTypeTable* p_globalFunctionTypeTable : 0x87e08b0
Sg_File_Info* p_startOfConstruct : 0x86318d0
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 : 0x8781ba0: varsym b declared at 0x0x86e9ff0
```

pointer:0x87cd738

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

```
SgNode* p_parent : 0x87918c8
bool p_isModified : 0
$CLASSNAME * p_freepointer : 0xffffffff
static SgFunctionTypeTable* p_globalFunctionTypeTable : 0x87e08b0
Sg_File_Info* p_startOfConstruct : 0x8631a20
Sg_File_Info* p_endOfConstruct : 0x86319b0
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
SgExpressionRoot* p_expression_root : 0x87bfc08
```



pointer:0x87bfc08

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

```
SgNode* p_parent : 0x87cd738
bool p_isModified : 0
$CLASSNAME * p_freepointer : 0xffffffff
static SgFunctionTypeTable* p_globalFunctionTypeTable : 0x87e08b0
Sg_File_Info* p_startOfConstruct : 0x8631a90
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 : 0x8767484
SgType* p_expression_type : 0
SgUnaryOp::Sgop_mode p_mode : 0
```

pointer:0x8767484

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

```
SgNode* p_parent : 0x87bfc08
bool p_isModified : 0
$CLASSNAME * p_freepointer : 0xffffffff
static SgFunctionTypeTable* p_globalFunctionTypeTable : 0x87e08b0
Sg_File_Info* p_startOfConstruct : 0x8631a90
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:0x87d6430

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

```
SgNode* p_parent : 0x87918c8
bool p_isModified : 0
$CLASSNAME * p_freepointer : 0xffffffff
static SgFunctionTypeTable* p_globalFunctionTypeTable : 0x87e08b0
Sg_File_Info* p_startOfConstruct : 0x8631ac8
Sg_File_Info* p_endOfConstruct : 0x8631b00
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
```