

pointer:0x7fbf0e944010
SgSourceFile

root node

SgNode* p_parent : 0x9fd2f0
bool p_isModified : 0
bool p_containsTransformation : 0
\$CLASSNAME* p_freepointer : 0xfffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7fbf0eaf7068
SgStringList p_originalCommandLineArgumentList : [pdfGenerator, -c, forLoop.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_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:0x7fbf0ea72120
SgGlobal
/home/liao6/workspace/github/rose-ast.git/forLoop.c 0:0
IsTransformation:0
IsOutputInCodeGeneration:0

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SgNode* p_parent : 0x7fbf0e944010
bool p_isModified : 0
bool p_containsTransformation : 0
\$CLASSNAME* p_freepointer : 0xfffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7fbf0eaf70c0
Sg_File_Info* p_endOfConstruct : 0x7fbf0eaf7118
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 : 0x7fbf0ea27140
SgTypeTable* p_type_table : 0xa37d38
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>: [0x7fbf0e799010, 0x7fbf0e293010, 0x7fbf0e2933e0, 0x7fbf0e293...

pointer:0x7fbf0da6dd90
SgFunctionDeclaration
/home/liao6/workspace/github/rose-ast.git/forLoop.c 1:1
IsTransformation:0
IsOutputInCodeGeneration:0
Declaration mangled name: foo___Fb_v_Gb__i___Fe___L1R

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SgNode* p_parent : 0x7fbf0ea72120
bool p_isModified : 0
bool p_containsTransformation : 0
\$CLASSNAME* p_freepointer : 0xfffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7fbf0d791cd0
Sg_File_Info* p_endOfConstruct : 0x7fbf0d791d28
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 : 0x7fbf0da6dd90
SgDeclarationStatement* p_firstNondefiningDeclaration : 0x7fbf0da6d9c0
SgQualifiedNamePtrList p_qualifiedNameList : []
std::string p_binding_label :
SgName p_name : foo
SgFunctionParameterList* p_parameterList : 0x7fbf0dbf1990
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 : 0x7fbf0e470a30
SgFunctionDefinition* p_definition : 0x7fbf0d619010
bool p_oldStyleDefinition : 0
SgScopeStatement* p_scope : 0x7fbf0ea72120
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:0x7fb0dbf1990
SgFunctionParameterList
/home/liao6/workspace/github/rose-ast.git/forLoop.c 1:1
IsTransformation:0
IsOutputInCodeGeneration:0
Declaration mangled name: L1R

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SgNode* p_parent : 0x7fb0da6dd90
bool p_isModified : 0
bool p_containsTransformation : 0
\$CLASSNAME* p_freepointer : 0xfffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7fb0d7921a0
Sg_File_Info* p_endOfConstruct : 0x7fb0d7921f8
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 : 0x7fb0dbf1990
SgQualifiedNamePtrList p_qualifiedNameList : []
std::string p_binding_label :
SgInitializedNamePtrList p_args : [0x7fb0d7dbf20]

pointer:0x7fbf0d7dbf20
SgInitializedName
/home/liao6/workspace/github/rose-ast.git/forLoop.c 1:14
IsTransformation:0
IsOutputInCodeGeneration:0

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SgNode* p_parent : 0x7fbf0dbf1990
bool p_isModified : 0
bool p_containsTransformation : 0
\$CLASSNAME* p_freepointer : 0xfffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7fbf0d791f90
Sg_File_Info* p_endOfConstruct : 0x7fbf0d791fe8
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 : 0x7fbf0e099010
SgInitializer* p_initptr : 0
SgInitializedName* p_prev_decl_item : 0
bool p_is_initializer : 1
SgDeclarationStatement* p_declptr : 0x7fbf0da6dd90
SgStorageModifier* p_storageModifier : 0x148aaf0
SgScopeStatement* p_scope : 0x7fbf0d619010
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:0x7fbf0d619010
SgFunctionDefinition
/home/liao6/workspace/github/rose-ast.git/forLoop.c 2:1
IsTransformation:0
IsOutputInCodeGeneration:0

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SgNode* p_parent : 0x7fbf0da6dd90
bool p_isModified : 0
bool p_containsTransformation : 0
\$CLASSNAME* p_freepointer : 0xfffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7fbf0d792040
Sg_File_Info* p_endOfConstruct : 0x7fbf0d792098
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 : 0x7fbf0ea274d0
SgTypeTable* p_type_table : 0xa37db0
std::set<SgSymbol*> p_type_elaboration_list : []
std::set<SgSymbol*> p_hidden_type_list : []
std::set<SgSymbol*> p_hidden_declaration_list : []
SgBasicBlock* p_body : 0x7fbf0d6ae010
std::map<SgNode*,int> p_scope_number_list : []

pointer:0x7fbf0d6ae010
SgBasicBlock
/home/liao6/workspace/github/rose-ast.git/forLoop.c 2:1
IsTransformation:0
IsOutputInCodeGeneration:0

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SgNode* p_parent : 0x7fbf0d619010
bool p_isModified : 0
bool p_containsTransformation : 0
\$CLASSNAME* p_freepointer : 0xfffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7fbf0d791ee0
Sg_File_Info* p_endOfConstruct : 0x7fbf0d791f38
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 : 0x7fbf0ea273a0
SgTypeTable* p_type_table : 0xa37d88
std::set<SgSymbol*> p_type_elaboration_list : []
std::set<SgSymbol*> p_hidden_type_list : []
std::set<SgSymbol*> p_hidden_declaration_list : []
SgStatementPtrList p_statements : [0x7fbf0d588010]
std::string p_asm_function_body :

pointer:0x7fbf0d588010
SgForStatement
/home/liao6/workspace/github/rose-ast.git/forLoop.c 3:3
IsTransformation:0
IsOutputInCodeGeneration:0

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SgNode* p_parent : 0x7fbf0d6ae010
bool p_isModified : 0
bool p_containsTransformation : 0
\$CLASSNAME* p_freepointer : 0xfffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7fbf0d792e58
Sg_File_Info* p_endOfConstruct : 0x7fbf0d792eb0
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 : 0x7fbf0ea27600
SgTypeTable* p_type_table : 0xa37dd8
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 : 0x7fbf0d551080
SgStatement* p_test : 0x7fbf0d485070
SgExpression* p_increment : 0x7fbf0d41b010
SgStatement* p_loop_body : 0x7fbf0d4850d0
SgStatement* p_else_body : 0
std::string p_string_label :

pointer:0x7fbf0d551080
SgForInitStatement
/home/liao6/workspace/github/rose-ast.git/forLoop.c 3:8
IsTransformation:0
IsOutputInCodeGeneration:0

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SgNode* p_parent : 0x7fbf0d588010
bool p_isModified : 0
bool p_containsTransformation : 0
\$CLASSNAME* p_freepointer : 0xffffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7fbf0d792618
Sg_File_Info* p_endOfConstruct : 0x7fbf0d792670
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 : [0x7fbf0d485010]

pointer:0x7fb0d485010
SgExprStatement
/home/liao6/workspace/github/rose-ast.git/forLoop.c 3:8
IsTransformation:0
IsOutputInCodeGeneration:0

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SgNode* p_parent : 0x7fb0d551080
bool p_isModified : 0
bool p_containsTransformation : 0
\$CLASSNAME* p_freepointer : 0xfffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7fb0d792568
Sg_File_Info* p_endOfConstruct : 0x7fb0d7925c0
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 : 0x7fb0d4b4010

pointer:0x7fbf0d4b4010
SgAssignOp
/home/liao6/workspace/github/rose-ast.git/forLoop.c 3:9
IsTransformation:0
IsOutputInCodeGeneration:0
Expression type: int

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SgNode* p_parent : 0x7fbf0d485010
bool p_isModified : 0
bool p_containsTransformation : 0
\$CLASSNAME* p_freepointer : 0xfffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7fbf0d7924b8
Sg_File_Info* p_endOfConstruct : 0x7fbf0d792510
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 : 0x7fbf0d7923b0
SgExpression* p_lhs_operand_i : 0x7fbf0d51e010
SgExpression* p_rhs_operand_i : 0x7fbf0d4eb010
SgType* p_expression_type : 0
SgExpression* p_originalExpressionTree : 0

pointer:0x7fbf0d51e010
SgVarRefExp
/home/liao6/workspace/github/rose-ast.git/forLoop.c 3:8
IsTransformation:0
IsOutputInCodeGeneration:0
Expression type: int

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SgNode* p_parent : 0x7fbf0d4b4010
bool p_isModified : 0
bool p_containsTransformation : 0
\$CLASSNAME* p_freepointer : 0xfffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7fbf0d7922a8
Sg_File_Info* p_endOfConstruct : 0x7fbf0d792300
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 : 0x7fbf0d7920f0
SgVariableSymbol* p_symbol : 0x14efe20
SgExpression* p_originalExpressionTree : 0
int p_name_qualification_length : 0
bool p_type_elaboration_required : 0
bool p_global_qualification_required : 0

pointer:0x7fbf0d4eb010
SgIntVal
/home/liao6/workspace/github/rose-ast.git/forLoop.c 3:10
IsTransformation:0
IsOutputInCodeGeneration:0
Expression type: int

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SgNode* p_parent : 0x7fbf0d4b4010
bool p_isModified : 0
bool p_containsTransformation : 0
\$CLASSNAME* p_freepointer : 0xffffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7fbf0d792358
Sg_File_Info* p_endOfConstruct : 0x7fbf0d792250
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 : 0x7fbf0d792408
SgExpression* p_originalExpressionTree : 0
int p_value : 0
std::string p_valueString : 0

pointer:0x7fbf0d485070
SgExprStatement
/home/liao6/workspace/github/rose-ast.git/forLoop.c 3:13
IsTransformation:0
IsOutputInCodeGeneration:0

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SgNode* p_parent : 0x7fbf0d588010
bool p_isModified : 0
bool p_containsTransformation : 0
\$CLASSNAME* p_freepointer : 0xffffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7fbf0d7929e0
Sg_File_Info* p_endOfConstruct : 0x7fbf0d792a38
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 : 0x7fbf0d44e010

pointer:0x7fbf0d44e010
SgLessThanOp
/home/liao6/workspace/github/rose-ast.git/forLoop.c 3:14
IsTransformation:0
IsOutputInCodeGeneration:0
Expression type: int

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SgNode* p_parent : 0x7fbf0d485070
bool p_isModified : 0
bool p_containsTransformation : 0
\$CLASSNAME* p_freepointer : 0xffffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7fbf0d792930
Sg_File_Info* p_endOfConstruct : 0x7fbf0d792988
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 : 0x7fbf0d792828
SgExpression* p_lhs_operand_i : 0x7fbf0d51e078
SgExpression* p_rhs_operand_i : 0x7fbf0d4eb078
SgType* p_expression_type : 0
SgExpression* p_originalExpressionTree : 0

pointer:0x7fbf0d51e078
SgVarRefExp
/home/liao6/workspace/github/rose-ast.git/forLoop.c 3:13
IsTransformation:0
IsOutputInCodeGeneration:0
Expression type: int

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SgNode* p_parent : 0x7fbf0d44e010
bool p_isModified : 0
bool p_containsTransformation : 0
\$CLASSNAME* p_freepointer : 0xffffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7fbf0d792720
Sg_File_Info* p_endOfConstruct : 0x7fbf0d792778
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 : 0x7fbf0d792148
SgVariableSymbol* p_symbol : 0x14efe20
SgExpression* p_originalExpressionTree : 0
int p_name_qualification_length : 0
bool p_type_elaboration_required : 0
bool p_global_qualification_required : 0

pointer:0x7fbf0d4eb078
SgIntVal
/home/liao6/workspace/github/rose-ast.git/forLoop.c 3:15
IsTransformation:0
IsOutputInCodeGeneration:0
Expression type: int

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SgNode* p_parent : 0x7fbf0d44e010
bool p_isModified : 0
bool p_containsTransformation : 0
\$CLASSNAME* p_freepointer : 0xfffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7fbf0d7927d0
Sg_File_Info* p_endOfConstruct : 0x7fbf0d7926c8
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 : 0x7fbf0d792880
SgExpression* p_originalExpressionTree : 0
int p_value : 100
std::string p_valueString : 100

pointer:0x7fbf0d41b010
SgPlusPlusOp
/home/liao6/workspace/github/rose-ast.git/forLoop.c 3:21
IsTransformation:0
IsOutputInCodeGeneration:0
Expression type: int

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SgNode* p_parent : 0x7fbf0d588010
bool p_isModified : 0
bool p_containsTransformation : 0
\$CLASSNAME* p_freepointer : 0xffffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7fbf0d792bf0
Sg_File_Info* p_endOfConstruct : 0x7fbf0d792c48
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 : 0x7fbf0d792460
SgExpression* p_operand_i : 0x7fbf0d51e0e0
SgType* p_expression_type : 0
SgUnaryOp::Sgop_mode p_mode : 1

pointer:0x7fbf0d51e0e0
SgVarRefExp
/home/liao6/workspace/github/rose-ast.git/forLoop.c 3:20
IsTransformation:0
IsOutputInCodeGeneration:0
Expression type: int

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SgNode* p_parent : 0x7fbf0d41b010
bool p_isModified : 0
bool p_containsTransformation : 0
\$CLASSNAME* p_freepointer : 0xfffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7fbf0d792ae8
Sg_File_Info* p_endOfConstruct : 0x7fbf0d792b40
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 : 0x7fbf0d7928d8
SgVariableSymbol* p_symbol : 0x14efe20
SgExpression* p_originalExpressionTree : 0
int p_name_qualification_length : 0
bool p_type_elaboration_required : 0
bool p_global_qualification_required : 0

pointer:0x7fb0d4850d0
SgExprStatement
/home/liao6/workspace/github/rose-ast.git/forLoop.c 4:5
IsTransformation:0
IsOutputInCodeGeneration:0

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SgNode* p_parent : 0x7fb0d588010
bool p_isModified : 0
bool p_containsTransformation : 0
\$CLASSNAME* p_freepointer : 0xfffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7fb0d792da8
Sg_File_Info* p_endOfConstruct : 0x7fb0d792e00
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 : 0x7fb0d3f3010

pointer:0x7fbf0d3f3010
SgNullExpression
compilerGenerated 0:0
IsTransformation:0
IsOutputInCodeGeneration:1
Expression type: int

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SgNode* p_parent : 0x7fbf0d4850d0
bool p_isModified : 0
bool p_containsTransformation : 0
\$CLASSNAME* p_freepointer : 0xffffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7fbf0d792cf8
Sg_File_Info* p_endOfConstruct : 0x7fbf0d792d50
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 : 0x7fbf0d792a90

