

pointer:0x7ffff7e26010  
SgSourceFile

root node

SgNode\* p\_parent : 0x69ee80  
bool p\_isModified : 0  
\$CLASSNAME\* p\_freepointer : 0xfffffffffffff  
Sg\_File\_Info\* p\_startOfConstruct : 0x6c0b20  
SgStringList p\_originalCommandLineArgumentList : [./exec, case1.C]  
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\_C99\_only : 0  
bool p\_Cxx\_only : 1  
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\_CoArrayFortran\_only : 0  
bool p\_Java\_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\_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\_instruction\_addresses : 1  
bool p\_unparse\_raw\_memory\_contents : 1  
bool p\_unparse\_binary\_file\_format : 1  
SgFile::outputLanguageOption\_enum p\_outputLanguage : 3  
std::string p\_sourceFileNameWithPath : /global/u2/d/dunat/projects/combustion/nota/playground/defused/case1.C  
std::string p\_sourceFileNameWithoutPath : case1.C  
std::string p\_unparse\_output\_filename :  
bool p\_useBackendOnly : 0  
bool p\_compileOnly : 0  
std::string p\_savedEdgCommandLine : ./exec  
bool p\_no\_implicit\_templates : 0  
bool p\_no\_implicit\_inline\_templates : 0  
bool p\_skip\_commentsAndDirectives : 0  
bool p\_collectAllCommentsAndDirectives : 0  
bool p\_unparseHeaderFiles : 0  
ROSEAttributesListContainerPtr p\_preprocessorDirectivesAndCommentsList : 0xa9fe60  
AstAttributeMechanism\* p\_attributeMechanism : 0  
bool p\_KCC\_fortran\_to\_C : 0

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pointer:0x7ffeff0b300  
SgFunctionDeclaration  
/global/u2/d/dunat/projects/combustion/nota/playground/defused/case1.C 1:1  
IsTransformation:0  
IsOutputInCodeGeneration:0  
Declaration mangled name: L0R\_\_L1R

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SgNode\* p\_parent : 0x7ffeffd6010  
bool p\_isModified : 0  
\$CLASSNAME\* p\_freepointer : 0xfffffffffffff  
Sg\_File\_Info\* p\_startOfConstruct : 0x9e7688  
Sg\_File\_Info\* p\_endOfConstruct : 0x9e7640  
AttachedPreprocessingInfoType\* p\_attachedPreprocessingInfoPtr : 0  
AstAttributeMechanism\* p\_attributeMechanism : 0  
SgLabelRefExp\* p\_numeric\_label : 0  
int p\_source\_sequence\_value : 847  
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 : 0x7ffeff0b300  
SgDeclarationStatement\* p\_firstNondefiningDeclaration : 0  
SgQualifiedNamePtrList p\_qualifiedNameList : []  
std::string p\_binding\_label :  
SgName p\_name : func  
SgFunctionParameterList\* p\_parameterList : 0x7ffefe5dd60  
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 : 0x852690  
SgFunctionDefinition\* p\_definition : 0x7ffefd43010  
bool p\_oldStyleDefinition : 0  
SgScopeStatement\* p\_scope : 0x7ffeffd6010  
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

pointer:0x7ffefe5dd60  
SgFunctionParameterList  
/global/u2/d/dunat/projects/combustion/nota/playground/defused/case1.C 1:1  
IsTransformation:0  
IsOutputInCodeGeneration:0  
Declaration mangled name: L1R

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SgNode\* p\_parent : 0x7ffeff0b300  
bool p\_isModified : 0  
\$CLASSNAME\* p\_freepointer : 0xfffffffffffff  
Sg\_File\_Info\* p\_startOfConstruct : 0x9e77a8  
Sg\_File\_Info\* p\_endOfConstruct : 0x9e7760  
AttachedPreprocessingInfoType\* p\_attachedPreprocessingInfoPtr : 0  
AstAttributeMechanism\* p\_attributeMechanism : 0  
SgLabelRefExp\* p\_numeric\_label : 0  
int p\_source\_sequence\_value : 848  
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 : 0x7ffefe5dd60  
SgQualifiedNamePtrList p\_qualifiedNameList : []  
std::string p\_binding\_label :  
SgInitializedNamePtrList p\_args : [0x7ffefe10b28, 0x7ffefe10c50]

pointer:0x7ffefe10b28  
SgInitializedName  
/global/u2/d/dunat/projects/combustion/nota/playground/defused/case1.C 1:11  
IsTransformation:0  
IsOutputInCodeGeneration:0

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SgNode\* p\_parent : 0x7ffefe5dd60  
bool p\_isModified : 0  
\$CLASSNAME\* p\_freepointer : 0xfffffffffffff  
Sg\_File\_Info\* p\_startOfConstruct : 0x9e7910  
Sg\_File\_Info\* p\_endOfConstruct : 0x9e7958  
AttachedPreprocessingInfoType\* p\_attachedPreprocessingInfoPtr : 0  
AstAttributeMechanism\* p\_attributeMechanism : 0  
SgName p\_name : E  
SgType\* p\_typeptr : 0x8a6c00  
SgInitializer\* p\_initptr : 0  
SgInitializedName\* p\_prev\_decl\_item : 0  
bool p\_is\_initializer : 1  
SgDeclarationStatement\* p\_declptr : 0x7ffeff0b300  
SgStorageModifier\* p\_storageModifier : 0x7f1d78  
SgScopeStatement\* p\_scope : 0x7ffefd43010  
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]  
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 :  
unsigned long int p\_gnu\_attribute\_alignment : 0  
SgDeclarationModifier::gnu\_declaration\_visibility\_enum p\_gnu\_attribute\_visibility : 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

pointer:0x7ffefe10c50  
SgInitializedName  
/global/u2/d/dunat/projects/combustion/nota/playground/defused/case1.C 1:22  
IsTransformation:0  
IsOutputInCodeGeneration:0

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SgNode\* p\_parent : 0x7ffefe5dd60  
bool p\_isModified : 0  
\$CLASSNAME\* p\_freepointer : 0xfffffffffffff  
Sg\_File\_Info\* p\_startOfConstruct : 0x9e79e8  
Sg\_File\_Info\* p\_endOfConstruct : 0x9e79a0  
AttachedPreprocessingInfoType\* p\_attachedPreprocessingInfoPtr : 0  
AstAttributeMechanism\* p\_attributeMechanism : 0  
SgName p\_name : Eprev  
SgType\* p\_typeptr : 0x8a6c00  
SgInitializer\* p\_initptr : 0  
SgInitializedName\* p\_prev\_decl\_item : 0  
bool p\_is\_initializer : 1  
SgDeclarationStatement\* p\_declptr : 0x7ffeff0b300  
SgStorageModifier\* p\_storageModifier : 0x7f1da0  
SgScopeStatement\* p\_scope : 0x7ffefd43010  
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]  
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 :  
unsigned long int p\_gnu\_attribute\_alignment : 0  
SgDeclarationModifier::gnu\_declaration\_visibility\_enum p\_gnu\_attribute\_visibility : 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

pointer:0x7ffefd43010  
SgFunctionDefinition  
/global/u2/d/dunat/projects/combustion/nota/playground/defused/case1.C 1:1  
IsTransformation:0  
IsOutputInCodeGeneration:1

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SgNode\* p\_parent : 0x7ffeff0b300  
bool p\_isModified : 0  
\$CLASSNAME\* p\_freepointer : 0xffffffffffffff  
Sg\_File\_Info\* p\_startOfConstruct : 0x9e7880  
Sg\_File\_Info\* p\_endOfConstruct : 0x9e78c8  
AttachedPreprocessingInfoType\* p\_attachedPreprocessingInfoPtr : 0  
AstAttributeMechanism\* p\_attributeMechanism : 0  
SgLabelRefExp\* p\_numeric\_label : 0  
int p\_source\_sequence\_value : 849  
SgSymbolTable\* p\_symbol\_table : 0x7ffeffae1f0  
SgTypeTable\* p\_type\_table : 0x6d24c0  
std::set<SgSymbol\*> p\_type\_elaboration\_list : []  
std::set<SgSymbol\*> p\_hidden\_type\_list : []  
std::set<SgSymbol\*> p\_hidden\_declaration\_list : []  
SgBasicBlock\* p\_body : 0x7ffefd00010  
std::map<SgNode\*,int> p\_scope\_number\_list : []

pointer:0x7ffefd00010  
SgBasicBlock  
/global/u2/d/dunat/projects/combustion/nota/playground/defused/case1.C 2:1  
IsTransformation:0  
IsOutputInCodeGeneration:0

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SgNode\* p\_parent : 0x7ffefd43010  
bool p\_isModified : 0  
\$CLASSNAME\* p\_freepointer : 0xffffffffffffff  
Sg\_File\_Info\* p\_startOfConstruct : 0x9e7a78  
Sg\_File\_Info\* p\_endOfConstruct : 0x9e7a30  
AttachedPreprocessingInfoType\* p\_attachedPreprocessingInfoPtr : 0  
AstAttributeMechanism\* p\_attributeMechanism : 0  
SgLabelRefExp\* p\_numeric\_label : 0  
int p\_source\_sequence\_value : 850  
SgSymbolTable\* p\_symbol\_table : 0x7ffeffae330  
SgTypeTable\* p\_type\_table : 0x6d24e8  
std::set<SgSymbol\*> p\_type\_elaboration\_list : []  
std::set<SgSymbol\*> p\_hidden\_type\_list : []  
std::set<SgSymbol\*> p\_hidden\_declaration\_list : []  
SgStatementPtrList p\_statements : [0xa6fb40]  
std::string p\_asm\_function\_body :



pointer:0xa6fb40  
SgExprStatement  
/global/u2/d/dunat/projects/combustion/nota/playground/defused/case1.C 3:3  
IsTransformation:0  
IsOutputInCodeGeneration:0

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SgNode\* p\_parent : 0x7ffefd00010  
bool p\_isModified : 0  
\$CLASSNAME\* p\_freepointer : 0xfffffffffffff  
Sg\_File\_Info\* p\_startOfConstruct : 0x9e7ac0  
Sg\_File\_Info\* p\_endOfConstruct : 0x9e7c28  
AttachedPreprocessingInfoType\* p\_attachedPreprocessingInfoPtr : 0  
AstAttributeMechanism\* p\_attributeMechanism : 0  
SgLabelRefExp\* p\_numeric\_label : 0  
int p\_source\_sequence\_value : 851  
SgExpression\* p\_expression : 0xa545b0

pointer:0xa545b0  
SgAssignOp  
/global/u2/d/dunat/projects/combustion/nota/playground/defused/case1.C 3:11  
IsTransformation:0  
IsOutputInCodeGeneration:0  
Expression type: float

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SgNode\* p\_parent : 0xa6fb40  
bool p\_isModified : 0  
\$CLASSNAME\* p\_freepointer : 0xfffffffffffff  
Sg\_File\_Info\* p\_startOfConstruct : 0x9e8060  
Sg\_File\_Info\* p\_endOfConstruct : 0x9e8018  
AttachedPreprocessingInfoType\* p\_attachedPreprocessingInfoPtr : 0  
AstAttributeMechanism\* p\_attributeMechanism : 0  
bool p\_need\_paren : 0  
bool p\_lvalue : 1  
bool p\_global\_qualified\_name : 0  
Sg\_File\_Info\* p\_operatorPosition : 0x9e7c70  
SgExpression\* p\_lhs\_operand\_i : 0xa38f70  
SgExpression\* p\_rhs\_operand\_i : 0xa39050  
SgType\* p\_expression\_type : 0  
SgExpression\* p\_originalExpressionTree : 0

pointer:0xa38f70  
SgPntrArrRefExp  
/global/u2/d/dunat/projects/combustion/nota/playground/defused/case1.C 3:11  
IsTransformation:0  
IsOutputInCodeGeneration:0  
Expression type: float

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SgNode\* p\_parent : 0xa545b0  
bool p\_isModified : 0  
\$CLASSNAME\* p\_freepointer : 0xfffffffffffff  
Sg\_File\_Info\* p\_startOfConstruct : 0x9e7cb8  
Sg\_File\_Info\* p\_endOfConstruct : 0x9e7d00  
AttachedPreprocessingInfoType\* p\_attachedPreprocessingInfoPtr : 0  
AstAttributeMechanism\* p\_attributeMechanism : 0  
bool p\_need\_paren : 0  
bool p\_lvalue : 1  
bool p\_global\_qualified\_name : 0  
Sg\_File\_Info\* p\_operatorPosition : 0x9e7e68  
SgExpression\* p\_lhs\_operand\_i : 0xa38f00  
SgExpression\* p\_rhs\_operand\_i : 0xa1f918  
SgType\* p\_expression\_type : 0  
SgExpression\* p\_originalExpressionTree : 0

pointer:0xa38f00  
SgPntrArrRefExp  
/global/u2/d/dunat/projects/combustion/nota/playground/defused/case1.C 3:4  
IsTransformation:0  
IsOutputInCodeGeneration:0  
Expression type: float \*

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SgNode\* p\_parent : 0xa38f70  
bool p\_isModified : 0  
\$CLASSNAME\* p\_freepointer : 0xfffffffffffff  
Sg\_File\_Info\* p\_startOfConstruct : 0x9e7d48  
Sg\_File\_Info\* p\_endOfConstruct : 0x9e7d90  
AttachedPreprocessingInfoType\* p\_attachedPreprocessingInfoPtr : 0  
AstAttributeMechanism\* p\_attributeMechanism : 0  
bool p\_need\_paren : 1  
bool p\_lvalue : 0  
bool p\_global\_qualified\_name : 0  
Sg\_File\_Info\* p\_operatorPosition : 0x9e7eb0  
SgExpression\* p\_lhs\_operand\_i : 0xa061c0  
SgExpression\* p\_rhs\_operand\_i : 0xa1f8b0  
SgType\* p\_expression\_type : 0  
SgExpression\* p\_originalExpressionTree : 0

pointer:0xa061c0  
SgVarRefExp  
/global/u2/d/dunat/projects/combustion/nota/playground/defused/case1.C 3:3  
IsTransformation:0  
IsOutputInCodeGeneration:0  
Expression type: float \*\*

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SgNode\* p\_parent : 0xa38f00  
bool p\_isModified : 0  
\$CLASSNAME\* p\_freepointer : 0xfffffffffffff  
Sg\_File\_Info\* p\_startOfConstruct : 0x9e7dd8  
Sg\_File\_Info\* p\_endOfConstruct : 0x9e7e20  
AttachedPreprocessingInfoType\* p\_attachedPreprocessingInfoPtr : 0  
AstAttributeMechanism\* p\_attributeMechanism : 0  
bool p\_need\_paren : 1  
bool p\_lvalue : 0  
bool p\_global\_qualified\_name : 0  
Sg\_File\_Info\* p\_operatorPosition : 0  
SgVariableSymbol\* p\_symbol : 0x9fa180  
SgExpression\* p\_originalExpressionTree : 0  
int p\_name\_qualification\_length : 0  
bool p\_type\_elaboration\_required : 0  
bool p\_global\_qualification\_required : 0

pointer:0xa1f8b0  
SgIntVal  
/global/u2/d/dunat/projects/combustion/nota/playground/defused/case1.C 3:5  
IsTransformation:0  
IsOutputInCodeGeneration:0  
Expression type: int

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SgNode\* p\_parent : 0xa38f00  
bool p\_isModified : 0  
\$CLASSNAME\* p\_freepointer : 0xffffffffffffff  
Sg\_File\_Info\* p\_startOfConstruct : 0x9e7ef8  
Sg\_File\_Info\* p\_endOfConstruct : 0x9e7f40  
AttachedPreprocessingInfoType\* p\_attachedPreprocessingInfoPtr : 0  
AstAttributeMechanism\* p\_attributeMechanism : 0  
bool p\_need\_paren : 0  
bool p\_lvalue : 0  
bool p\_global\_qualified\_name : 0  
Sg\_File\_Info\* p\_operatorPosition : 0  
SgExpression\* p\_originalExpressionTree : 0  
int p\_value : 0  
std::string p\_valueString : 0

pointer:0xa1f918  
SgIntVal  
/global/u2/d/dunat/projects/combustion/nota/playground/defused/case1.C 3:8  
IsTransformation:0  
IsOutputInCodeGeneration:0  
Expression type: int

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SgNode\* p\_parent : 0xa38f70  
bool p\_isModified : 0  
\$CLASSNAME\* p\_freepointer : 0xffffffffffffff  
Sg\_File\_Info\* p\_startOfConstruct : 0x9e7f88  
Sg\_File\_Info\* p\_endOfConstruct : 0x9e7fd0  
AttachedPreprocessingInfoType\* p\_attachedPreprocessingInfoPtr : 0  
AstAttributeMechanism\* p\_attributeMechanism : 0  
bool p\_need\_paren : 0  
bool p\_lvalue : 0  
bool p\_global\_qualified\_name : 0  
Sg\_File\_Info\* p\_operatorPosition : 0  
SgExpression\* p\_originalExpressionTree : 0  
int p\_value : 1  
std::string p\_valueString : 1

pointer:0xa39050  
SgPntrArrRefExp  
/global/u2/d/dunat/projects/combustion/nota/playground/defused/case1.C 3:21  
IsTransformation:0  
IsOutputInCodeGeneration:0  
Expression type: float

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SgNode\* p\_parent : 0xa545b0  
bool p\_isModified : 0  
\$CLASSNAME\* p\_freepointer : 0xfffffffffffff  
Sg\_File\_Info\* p\_startOfConstruct : 0x9e80f0  
Sg\_File\_Info\* p\_endOfConstruct : 0x9e8138  
AttachedPreprocessingInfoType\* p\_attachedPreprocessingInfoPtr : 0  
AstAttributeMechanism\* p\_attributeMechanism : 0  
bool p\_need\_paren : 1  
bool p\_lvalue : 0  
bool p\_global\_qualified\_name : 0  
Sg\_File\_Info\* p\_operatorPosition : 0x9e82a0  
SgExpression\* p\_lhs\_operand\_i : 0xa38fe0  
SgExpression\* p\_rhs\_operand\_i : 0xa1f9e8  
SgType\* p\_expression\_type : 0  
SgExpression\* p\_originalExpressionTree : 0



pointer:0xa38fe0  
SgPntrArrRefExp  
/global/u2/d/dunat/projects/combustion/nota/playground/defused/case1.C 3:18  
IsTransformation:0  
IsOutputInCodeGeneration:0  
Expression type: float \*

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SgNode\* p\_parent : 0xa39050  
bool p\_isModified : 0  
\$CLASSNAME\* p\_freepointer : 0xffffffffffffff  
Sg\_File\_Info\* p\_startOfConstruct : 0x9e8180  
Sg\_File\_Info\* p\_endOfConstruct : 0x9e81c8  
AttachedPreprocessingInfoType\* p\_attachedPreprocessingInfoPtr : 0  
AstAttributeMechanism\* p\_attributeMechanism : 0  
bool p\_need\_paren : 1  
bool p\_lvalue : 0  
bool p\_global\_qualified\_name : 0  
Sg\_File\_Info\* p\_operatorPosition : 0x9e82e8  
SgExpression\* p\_lhs\_operand\_i : 0xa06228  
SgExpression\* p\_rhs\_operand\_i : 0xa1f980  
SgType\* p\_expression\_type : 0  
SgExpression\* p\_originalExpressionTree : 0

pointer:0xa06228  
SgVarRefExp  
/global/u2/d/dunat/projects/combustion/nota/playground/defused/case1.C 3:13  
IsTransformation:0  
IsOutputInCodeGeneration:0  
Expression type: float \*\*

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SgNode\* p\_parent : 0xa38fe0  
bool p\_isModified : 0  
\$CLASSNAME\* p\_freepointer : 0xffffffffffffff  
Sg\_File\_Info\* p\_startOfConstruct : 0x9e8210  
Sg\_File\_Info\* p\_endOfConstruct : 0x9e8258  
AttachedPreprocessingInfoType\* p\_attachedPreprocessingInfoPtr : 0  
AstAttributeMechanism\* p\_attributeMechanism : 0  
bool p\_need\_paren : 1  
bool p\_lvalue : 0  
bool p\_global\_qualified\_name : 0  
Sg\_File\_Info\* p\_operatorPosition : 0  
SgVariableSymbol\* p\_symbol : 0x9fa1b0  
SgExpression\* p\_originalExpressionTree : 0  
int p\_name\_qualification\_length : 0  
bool p\_type\_elaboration\_required : 0  
bool p\_global\_qualification\_required : 0

pointer:0xa1f980  
SgIntVal  
/global/u2/d/dunat/projects/combustion/nota/playground/defused/case1.C 3:19  
IsTransformation:0  
IsOutputInCodeGeneration:0  
Expression type: int

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SgNode\* p\_parent : 0xa38fe0  
bool p\_isModified : 0  
\$CLASSNAME\* p\_freepointer : 0xffffffffffffff  
Sg\_File\_Info\* p\_startOfConstruct : 0x9e8330  
Sg\_File\_Info\* p\_endOfConstruct : 0x9e8378  
AttachedPreprocessingInfoType\* p\_attachedPreprocessingInfoPtr : 0  
AstAttributeMechanism\* p\_attributeMechanism : 0  
bool p\_need\_paren : 0  
bool p\_lvalue : 0  
bool p\_global\_qualified\_name : 0  
Sg\_File\_Info\* p\_operatorPosition : 0  
SgExpression\* p\_originalExpressionTree : 0  
int p\_value : 0  
std::string p\_valueString : 0

pointer:0xa1f9e8  
SgIntVal  
/global/u2/d/dunat/projects/combustion/nota/playground/defused/case1.C 3:22  
IsTransformation:0  
IsOutputInCodeGeneration:0  
Expression type: int

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SgNode\* p\_parent : 0xa39050  
bool p\_isModified : 0  
\$CLASSNAME\* p\_freepointer : 0xfffffffffffff  
Sg\_File\_Info\* p\_startOfConstruct : 0x9e83c0  
Sg\_File\_Info\* p\_endOfConstruct : 0x9e8408  
AttachedPreprocessingInfoType\* p\_attachedPreprocessingInfoPtr : 0  
AstAttributeMechanism\* p\_attributeMechanism : 0  
bool p\_need\_paren : 0  
bool p\_lvalue : 0  
bool p\_global\_qualified\_name : 0  
Sg\_File\_Info\* p\_operatorPosition : 0  
SgExpression\* p\_originalExpressionTree : 0  
int p\_value : 0  
std::string p\_valueString : 0

