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           + EndVisit()
           + EndVisit()
           + EndVisit()
           and 42 more...
           BasicASTVisitor
          Visit()
        + Visit()
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        + EndVisit()
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        + EndVisit()
        + EndVisit()
        and 42 more...
        # CommonVisit()
        # CommonEndVisit()
 SolToBoogie.ProcedureTranslator
+ ContractInvariants
 context

    boogieToLocalVarsMap

    currentBoogieProc

    inlineAssemblyPresent

 currentContract

    currentFunction

    currentSourceFile

    currentSourceLine

    currentPostlude

- genInlineAttrsInBpl

    contractInvariants

 currentParamList

    isReturnParameterList

    currentStmtList

    currentExpr

+ ProcedureTranslator()
+ Visit()
+ Visit()
+ Visit()
+ Visit()
+ adjustSum()
+ Visit()
+ TranslateStatement()
+ Visit()
  Visit()
+ Visit()
+ updateAssignedSums()
+ Visit()
+ Equals()
preTranslationAction()
 TranslateStructDefinition()
TranslateStateVarDeclaration()
InstrumentForPrintingData()
- PrintArguments()
 IsVeriSolContractInvariant
Function()
 GenerateInitializationStmts()
 GenerateInitializationFor
ArrayStateVar()
 GenerateInitializationFor
StructStateVar()
GetCallExprForZeroInit()
getSumArray()
 getSumAccess()
 GenerateInitializationFor
MappingStateVar()
 GenerateInitializationFor
ElementaryTypes()
- InitializeNestedArrayMapping
StateVar()
 CreateDistinctArrayMapping
Address()
GetBoogieTypesFromMapping()

    GenerateDefaultConstructor()

    GenerateConstructorWithBase

 GetInheritanceSpecifieWith
\mathsf{ArgsOfBase}()
GetModifierInvocationOfBase()
InstrumentSourceFileAndLine
Info()
AddModuloOp()
 TranslateInBuiltFunction()
- TranslateFunctionCalls()
AddAssumeForUints()
emitRevertLogic()
 ExtractSpecifications()
 TranslateModifiesStmt()
ExtractContractInvariants()
TranslateExpr()
TranslateNumberToExpr()
GenerateNonDetExpr()
 TranslateBalance()
 TranslateArrayLength()
- IsBuiltInTransferFunc()
 TranslateVeriSolCodeContract
FuncCall()
IsVeriSolCodeContractFunction()
 GetVeriSolCodeContractFunction()
 MkNewLocalVariableForFunction
Return()
 MkNewLocalVariableWithType()
- IsImplicitFunc()
IsContractConstructor()
 IsStructConstructor()
IsKeccakFunc()
IsAbiEncodePackedFunc()
TranslateKeccakFuncCall()

    TranslateAbiEncodedFuncCall()

 TranslateCallStatement()
 TranslateTransferCallStmt()
 MkFallbackDispatchCallCmd()
TranslateSendCallStmt()
- TranslateNewStatement()
 TranslateStructConstructor()
- IsDynamicArrayPush()
 TranslateDynamicArrayPush()
 AddUnsignedTypeAssumeCmd()
IsExternalFunctionCall()
```

IsLibraryFunctionCall()TranslateExternalFunction

TranslateUsingLibraryCall() IsUsingBasedLibraryCall() TranslateInternalFunction

TranslateDynamicDispatch

IsGetterForPublicVariable()

- GetStaticDispatchingContract()

IsStaticDispatching()

- TranslateTypeCast()- VeriSolAssert()- emitGasCheck()

IsTypeCast()

IsDynamicDispatching()

Call()

Call()

Call()

IASTVisitor