

## 1. Proxy. sol

(securifyvenv)

```
profganesh@SmartContract:~/Tools/FolderForSecurifyVerTwo/securify2$ securify
/home/profganesh@SmartContract:~/Tools/FlattenedContracts/Proxy.sol
```

pragma directive defines a prior version to 0.5.10. Changing pragma version to 0.5.10....

Executable not found. Compiling it now. This might take some time...

Traceback (most recent call last):

```
File
"/home/profganesh@SmartContract:~/Tools/FolderForSecurifyVerTwo/securify2/securifyvenv/bin/securify",
line 11, in <module>
    load_entry_point('securify', 'console_scripts', 'securify')()
File "/home/profganesh@SmartContract:~/Tools/FolderForSecurifyVerTwo/securify2/securify/__main__.py",
line 277, in main
    matches.extend(pattern.find_matches())
File
"/home/profganesh@SmartContract:~/Tools/FolderForSecurifyVerTwo/securify2/securify/analyses/patterns/static/static_analysis_patterns.py", line 73, in find_matches
    static = analysis_context.static_analysis
File
"/home/profganesh@SmartContract:~/Tools/FolderForSecurifyVerTwo/securify2/securify/analyses/analysis.py", line 88, in static_analysis
    self._static = self.config.static_analysis(self)
File "/home/profganesh@SmartContract:~/Tools/FolderForSecurifyVerTwo/securify2/securify/__main__.py",
line 255, in <lambda>
    static_analysis=lambda t: static_analysis.analyze_cfg(t.cfg, **souffle_config),
File
"/home/profganesh@SmartContract:~/Tools/FolderForSecurifyVerTwo/securify2/securify/staticanalysis/static_analysis.py", line 124, in analyze_cfg
    souffle_kwargs=kw_args_souffle)
File
"/home/profganesh@SmartContract:~/Tools/FolderForSecurifyVerTwo/securify2/securify/staticanalysis/souffle/souffle.py", line 62, in run_souffle
    **(souffle_kwargs or {})
File
"/home/profganesh@SmartContract:~/Tools/FolderForSecurifyVerTwo/securify2/securify/staticanalysis/souffle/wrapper.py", line 119, in souffle_wrapper
    stderr_data=codecs.decode(stderrdata),
securify.staticanalysis.souffle.exceptions.SouffleError: Error during souffle execution:
```

Warning: No rules/facts defined for relation patternIncorrectInequalityPattern.compliantInContext in unknown source location.

Warning: Variable comment only occurs once in unknown source location.

Warning: Variable ctxString only occurs once in unknown source location.

Warning: No rules/facts defined for relation patternUnusedStateVariablePattern.compliance in

unknown source location

Warning: Variable callerFunction only occurs once in unknown source location.

Warning: Variable callerFunction only occurs once in unknown source location.

Warning: Variable callerTransfers only occurs once in unknown source location.

Warning: Variable callerTag only occurs once in unknown source location.

Warning: Variable thisBlock only occurs once in unknown source location.

Warning: No rules/facts defined for relation warnings in unknown source location.

failed to compile C++ source  
</home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/staticanalysis/d  
l-program.cpp>

## 2. RToken.sol

(securifyenv)

profganeshteam@SmartContract:~/Tools/FolderForSecurifyVerTwo/securify2\$ securify  
/home/profganeshteam/Tools/FlattenedContracts/RToken.sol

pragma directive defines a prior version to 0.5.10. Changing pragma version to 0.5.10....

Traceback (most recent call last):

File

"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securifyenv/bin/securify",  
line 11, in <module>

load\_entry\_point('securify', 'console\_scripts', 'securify')()

File "/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/\_\_main\_\_.py",  
line 277, in main

matches.extend(pattern.find\_matches())

File

"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/analyses/patterns/a  
st/naming\_convention\_pattern.py", line 17, in find\_matches

ast\_root = self.get\_ast\_root()

File

"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/analyses/patterns/a  
st/abstract\_ast\_pattern.py", line 18, in get\_ast\_root

ast\_root = self.analysis\_context.ast

File

"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/analyses/analysis.py",  
line 74, in ast

self.\_ast = self.config.ast\_compiler(self)

File "/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/\_\_main\_\_.py",  
line 253, in <lambda>

ast\_compiler=lambda t: solidity\_ast\_compiler.compile\_ast(t.source\_file),

File

"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/solidity/solidity\_ast\_  
compiler.py", line 31, in compile\_ast

compile\_output = compile\_standard(compile\_input, allow\_paths='/')

File

"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securifyenv/lib/python3.7/s

```

ite-packages/solc/m      ain.py", line 181, in compile_standard
    message=error_message,
solc.exceptions.SolcError: fixed_pragma.sol:945:1: ParserError: Source file requires different
compiler version (current compiler is 0.5.10+commit.5a6ea5b1.Linux.g++ - note that
nightly builds are considered to be strictly less than the released version
pragma solidity ^0.5.11;
^-----^

```

```

> command: `solc --allow-paths / --standard-json`
> return code: `0`
> stderr:
{"errors":[{"component":"general","formattedMessage":"fixed_pragma.sol:945:1:
ParserError: Source file requires different compiler version (current compiler is
0.5.10+commit.5a6ea5b1.Linux.g++ - note that nightly builds are considered to be strictly
less than the released version\npragma solidity ^0.5.11;\n^-----^\\n","m
essage":"Source file requires different compiler version (current compiler is
0.5.10+commit.5a6ea5b1.Linux.g++ - note that nightly builds are considered to be strictly less
than the released version","severity":"error","sourceLocation":{"end":30390,"file":"fixed_pragma.sol","start":30365,"type":"ParserError"}},{"sources":{}}]

```

```

> stdout:

```

### 3. MainframeStake.sol

```

(securifyenv)

```

```

profganesh@SmartContract:~/Tools/FolderForSecurifyVerTwo/securify2$ securify
/home/profganesh@SmartContract:~/Tools/FlattenedContracts/MainframeStake.sol
pragma directive defines a prior version to 0.5.10. Changing pragma version to 0.5.10....

```

```

Traceback (most recent call last):

```

```

File
"/home/profganesh@SmartContract:~/Tools/FolderForSecurifyVerTwo/securify2/securifyenv/bin/securify",
line 11, in <module>
    load_entry_point('securify', 'console_scripts', 'securify')()
File "/home/profganesh@SmartContract:~/Tools/FolderForSecurifyVerTwo/securify2/securify/__main__.py",
line 277, in main
    matches.extend(pattern.find_matches())
File
"/home/profganesh@SmartContract:~/Tools/FolderForSecurifyVerTwo/securify2/securify/analyses/patterns/st
atic/static_analysis_patterns.py", line 73, in find_matches
    static = analysis_context.static_analysis
File
"/home/profganesh@SmartContract:~/Tools/FolderForSecurifyVerTwo/securify2/securify/analyses/analysis.py
", line 88, in static_analysis
    self._static = self.config.static_analysis(self)
File "/home/profganesh@SmartContract:~/Tools/FolderForSecurifyVerTwo/securify2/securify/__main__.py",
line 255, in <lambda>

```

```

static_analysis=lambda t: static_analysis.analyze_cfg(t.cfg, **souffle_config),
File
"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/analyses/analysis.py
", line 81, in cfg
    self._cfg = self.config.cfg_compiler(self)
File "/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/__main__.py",
line 254, in <lambda>
    cfg_compiler=lambda t: solidity_cfg_compiler.compile_cfg(t.ast).cfg,
File
"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/analyses/analysis.py
", line 74, in ast
    self._ast = self.config.ast_compiler(self)
File "/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/__main__.py",
line 253, in <lambda>
    ast_compiler=lambda t: solidity_ast_compiler.compile_ast(t.source_file),
File
"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/solidity/solidity_ast_
compiler.py", line 31, in compile_ast
    compile_output = compile_standard(compile_input, allow_paths='/')
File
"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securifyvenv/lib/python3.7/s
ite-packages/solc/main.py", line 181, in compile_standard
    message=error_message,
solc.exceptions.SolcError: fixed_pragma.sol:666:1: SyntaxError: Duplicate experimental feature
name.
pragma experimental ABIEncoderV2;
^-----^

```

```

fixed_pragma.sol:1209:9: TypeError: Type address is not implicitly convertible to expected type
address payable.

```

```

    _owner=owner();
        ^-----^

```

```
> command: `solc --allow-paths / --standard-json`
```

```
> return code: `0`
```

```
> stderr:
```

```

{"errors":[{"component":"general","formattedMessage":"fixed_pragma.sol:340:1:
Warning: Experimental features          are turned on. Do not use experimental features on live
deployments.\npragma experimental ABIEncoderV2;\n^-----
-----^\\n","message":"Experimental features are turned on. Do not use experimental
features on live
deployments."},"severity":"warning","sourceLocation":{"end":10886,"file":"fixed_pragma.sol","st
art":10853},"type":"Warning"}],"component":"general","formattedMessage":"fixed_pragma.sol:
666:1: SyntaxError: Duplicate experimental feature name.\npragma experimental

```



```
e/wrapper.py", line 119, in souffle_wrapper
    stderr_data=codecs.decode(stderrdata),
securify.staticanalysis.souffle.exceptions.SouffleError: Error during souffle execution:
```

```
Warning: No rules/facts defined for relation
patternIncorrectInequalityPattern.compliantInContext in unknown source location.
Warning: Variable comment only occurs once in unknown source location.
Warning: Variable ctxString only occurs once in unknown source location.
Warning: No rules/facts defined for relation patternUnusedStateVariablePattern.compliance in
unknown source location .
Warning: Variable callerFunction only occurs once in unknown source location.
Warning: Variable callerFunction only occurs once in unknown source location.
Warning: Variable callerTransfers only occurs once in unknown source location.
Warning: Variable callerTag only occurs once in unknown source location.
Warning: Variable thisBlock only occurs once in unknown source location.
Warning: No rules/facts defined for relation warnings in unknown source location.
```

```
failed to compile C++ source
</home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/staticanalysis/d
l-program.cpp>
```

## 5. StakeInterface.sol

```
(securifyvenv)
profganeshteam@SmartContract:~/Tools/FolderForSecurifyVerTwo/securify2$ securify
/home/profganeshteam/Tools/FlattenedContracts/StakeInterface.sol
pragma directive defines a prior version to 0.5.10. Changing pragma version to 0.5.10....
Executable not found. Compiling it now. This might take some time...
Traceback (most recent call last):
  File
"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securifyvenv/bin/securify",
line 11, in <module>
    load_entry_point('securify', 'console_scripts', 'securify')()
  File "/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/__main__.py",
line 277, in main
    matches.extend(pattern.find_matches())
  File
"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/analyses/patterns/st
atic/static_analys is_patterns.py", line 73, in find_matches
    static = analysis_context.static_analysis
  File
"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/analyses/analysis.py",
line 88, in static_analysis
    self._static = self.config.static_analysis(self)
  File "/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/__main__.py",
line 255, in <lambda>
    static_analysis=lambda t: static_analysis.analyze_cfg(t.cfg, **souffle_config),
```

```

File
"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/staticanalysis/static_
analysis.py", line 124, in analyze_cfg
    souffle_kwargs=kw_args_souffle)
File
"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/staticanalysis/souffl
e/souffle.py", line 62, in run_souffle
    **(souffle_kwargs or {})
File
"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/staticanalysis/souffl
e/wrapper.py", line 119, in souffle_wrapper
    stderr_data=codecs.decode(stderrdata),
securify.staticanalysis.souffle.exceptions.SouffleError: Error during souffle execution:

```

```

Warning: No rules/facts defined for relation
patternIncorrectInequalityPattern.compliantInContext in unknown source location.
Warning: Variable comment only occurs once in unknown source location.
Warning: Variable ctxString only occurs once in unknown source location.
Warning: No rules/facts defined for relation patternUnusedStateVariablePattern.compliance in
unknown source location .
Warning: Variable callerFunction only occurs once in unknown source location.
Warning: Variable callerFunction only occurs once in unknown source location.
Warning: Variable callerTransfers only occurs once in unknown source location.
Warning: Variable callerTag only occurs once in unknown source location.
Warning: Variable thisBlock only occurs once in unknown source location.
Warning: No rules/facts defined for relation warnings in unknown source location.

```

```

failed to compile C++ source
</home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/staticanalysis/d
l-program.cpp>

```

## 6. RTokenStructs.sol

```

(securifyvenv)
profganeshteam@SmartContract:~/Tools/FolderForSecurifyVerTwo/securify2$ securify
/home/profganeshteam/Tools/FlattenedContracts/RTokenStructs.sol
Executable not found. Compiling it now. This might take some time...
Traceback (most recent call last):

```

```

File
"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securifyvenv/bin/securify",
line 11, in <module >
    load_entry_point('securify', 'console_scripts', 'securify')()
File "/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/__main__.py",
line 277, in main
    matches.extend(pattern.find_matches())
File
"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/analyses/patterns/st

```

```

atic/static_analys      is_patterns.py", line 73, in find_matches
    static = analysis_context.static_analysis
File
"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/analyses/analysis.py
", line 88, in sta      tic_analysis
    self._static = self.config.static_analysis(self)
File "/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/__main__.py",
line 255, in <lambda>
    static_analysis=lambda t: static_analysis.analyze_cfg(t.cfg, **souffle_config),
File
"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/staticanalysis/static_
analysis.py", li      ne 124, in analyze_cfg
    souffle_kwargs=kw_args_souffle)
File
"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/staticanalysis/souffl
e/souffle.py", li      ne 62, in run_souffle
    **(souffle_kwargs or {}))
File
"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/staticanalysis/souffl
e/wrapper.py", li      ne 119, in souffle_wrapper
    stderr_data=codecs.decode(stderrdata),
securify.staticanalysis.souffle.exceptions.SouffleError: Error during souffle execution:

```

```

Warning:      No      rules/facts      defined      for      relation
patternIncorrectInequalityPattern.compliantInContext in unknown source      location.
Warning: Variable comment only occurs once in unknown source location.
Warning: Variable ctxString only occurs once in unknown source location.
Warning: No rules/facts defined for relation patternUnusedStateVariablePattern.compliance in
unknown source location      .
Warning: Variable callerFunction only occurs once in unknown source location.
Warning: Variable callerFunction only occurs once in unknown source location.
Warning: Variable callerTransfers only occurs once in unknown source location.
Warning: Variable callerTag only occurs once in unknown source location.
Warning: Variable thisBlock only occurs once in unknown source location.
Warning: No rules/facts defined for relation warnings in unknown source location.

```

```

failed      to      compile      C++      source
</home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/staticanalysis/d
l-program.cpp>

```

## 7. RTokenStorage.sol

```

(securifyvenv)
profganeshteam@SmartContract:~/Tools/FolderForSecurifyVerTwo/securify2$      securify
/home/profganeshteam      /Tools/FlattenedContracts/RTokenStorage.sol
pragma directive defines a prior version to 0.5.10. Changing pragma version to 0.5.10....
Traceback (most recent call last):

```



```

File
"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/secuirify2/secuirifyvenv/bin/secuirify",
line 11, in <module>
    load_entry_point('secuirify', 'console_scripts', 'secuirify')()
File "/home/profganeshteam/Tools/FolderForSecurifyVerTwo/secuirify2/secuirify/__main__.py",
line 277, in main
    matches.extend(pattern.find_matches())
File
"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/secuirify2/secuirify/analyses/patterns/static/static_analys
is_patterns.py", line 73, in find_matches
    static = analysis_context.static_analysis
File
"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/secuirify2/secuirify/analyses/analysis.py",
line 88, in static_analysis
    self._static = self.config.static_analysis(self)
File "/home/profganeshteam/Tools/FolderForSecurifyVerTwo/secuirify2/secuirify/__main__.py",
line 255, in <lambda>
    static_analysis=lambda t: static_analysis.analyze_cfg(t.cfg, **souffle_config),
File
"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/secuirify2/secuirify/analyses/analysis.py",
line 81, in cfg
    self._cfg = self.config.cfg_compiler(self)
File "/home/profganeshteam/Tools/FolderForSecurifyVerTwo/secuirify2/secuirify/__main__.py",
line 254, in <lambda>
    cfg_compiler=lambda t: solidity_cfg_compiler.compile_cfg(t.ast).cfg,
File
"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/secuirify2/secuirify/analyses/analysis.py",
line 74, in ast
    self._ast = self.config.ast_compiler(self)
File "/home/profganeshteam/Tools/FolderForSecurifyVerTwo/secuirify2/secuirify/__main__.py",
line 253, in <lambda>
    ast_compiler=lambda t: solidity_ast_compiler.compile_ast(t.source_file),
File
"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/secuirify2/secuirify/solidity/solidity_ast_compiler.py", line 31, in compile_ast
    compile_output = compile_standard(compile_input, allow_paths='/')
File
"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/secuirify2/secuirifyvenv/lib/python3.7/site-packages/solc/main.py", line 181, in compile_standard
    message=error_message,
solc.exceptions.SolcError: fixed_pragma.sol:507:1: SyntaxError: Duplicate experimental feature name.
pragma experimental ABIEncoderV2;
^-----^

```

```

> command: `solc --allow-paths / --standard-json`
> return code: `0`
> stderr:
{"errors":[{"component":"general","formattedMessage":"fixed_pragma.sol:181:1:
Warning: Experimental features are turned on. Do not use experimental features on live
deployments.\npragma experimental ABIEncoderV2;\n^-----
-----^\\n","message":"Experimental features are turned on. Do not use experimental
features on live
deployments."},"severity":"warning","sourceLocation":{"end":5554,"file":"fixed_pragma.sol","star
t":5521},"type":"Warn
ing"},{"component":"general","formattedMessage":"fixed_pragma.sol:507:1: SyntaxError:
Duplicate experimental feature name.\npragma experimental
ABIEncoderV2;\n^-----^\\n","message":"Duplicate experimental fe
ature
name."},"severity":"error","sourceLocation":{"end":16816,"file":"fixed_pragma.sol","start":16783}
,"type":"SyntaxError"}],"sources":{}}

> stdout:

```

## 8. ReentrancyGuard.sol

```

(securifyvenv)
profganeshteam@SmartContract:~/Tools/FolderForSecurifyVerTwo/securify2$ securify
/home/profganeshteam/Tools/FlattenedContracts/ReentrancyGuard.sol
pragma directive defines a prior version to 0.5.10. Changing pragma version to 0.5.10....
Traceback (most recent call last):
  File
"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securifyvenv/bin/securify",
line 11, in <module>
    load_entry_point('securify', 'console_scripts', 'securify')()
  File "/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/__main__.py",
line 277, in main
    matches.extend(pattern.find_matches())
  File
"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/analyses/patterns/st
atic/static_analys is_patterns.py", line 73, in find_matches
    static = analysis_context.static_analysis
  File
"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/analyses/analysis.py
", line 88, in sta tic_analysis
    self._static = self.config.static_analysis(self)
  File "/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/__main__.py",
line 255, in <lambda>
    static_analysis=lambda t: static_analysis.analyze_cfg(t.cfg, **souffle_config),
  File

```

```

"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/analyses/analysis.py
", line 81, in cfg
    self._cfg = self.config.cfg_compiler(self)
    File "/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/__main__.py",
line 254, in <lambda>
    cfg_compiler=lambda t: solidity_cfg_compiler.compile_cfg(t.ast).cfg,
    File
"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/analyses/analysis.py
", line 74, in ast
    self._ast = self.config.ast_compiler(self)
    File "/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/__main__.py",
line 253, in <lambda>
    ast_compiler=lambda t: solidity_ast_compiler.compile_ast(t.source_file),
    File
"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/solidity/solidity_ast_
compiler.py", line 31, in compile_ast
    compile_output = compile_standard(compile_input, allow_paths='/')
    File
"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securifyenv/lib/python3.7/s
ite-packages/solc/main.py", line 181, in compile_standard
    message=error_message,
solc.exceptions.SolcError: fixed_pragma.sol:507:1: SyntaxError: Duplicate experimental feature
name.
pragma experimental ABIEncoderV2;
^-----^

```

```

> command: `solc --allow-paths / --standard-json`
> return code: `0`
> stderr:
{"errors":[{"component":"general","formattedMessage":"fixed_pragma.sol:181:1:
Warning: Experimental features are turned on. Do not use experimental features on live
deployments.\npragma experimental ABIEncoderV2;\n^-----
-----^\\n","message":"Experimental features are turned on. Do not use experimental
features on live
deployments."},"severity":"warning","sourceLocation":{"end":5554,"file":"fixed_pragma.sol","star
t":5521},"type":"Warn
ing"}],"component":"general","formattedMessage":"fixed_pragma.sol:507:1: SyntaxError:
Duplicate experimental feature name.\npragma experimental
ABIEncoderV2;\n^-----^\\n","message":"Duplicate experimental fe
ature
name."},"severity":"error","sourceLocation":{"end":16816,"file":"fixed_pragma.sol","start":16783}
,"type":"SyntaxError"}],"sources":{}}

> stdout:

```

## 9. Proxiabable.sol

(securifyvenv)

```
profganesh@SmartContract:~/Tools/FolderForSecurifyVerTwo/securify2$ securify
/home/profganesh/Tools/FlattenedContracts/Proxiabable.sol
```

pragma directive defines a prior version to 0.5.10. Changing pragma version to 0.5.10....

Executable not found. Compiling it now. This might take some time...

Traceback (most recent call last):

```
File
"/home/profganesh/Tools/FolderForSecurifyVerTwo/securify2/securifyvenv/bin/securify",
line 11, in <module>
    load_entry_point('securify', 'console_scripts', 'securify')()
File "/home/profganesh/Tools/FolderForSecurifyVerTwo/securify2/securify/__main__.py",
line 277, in main
    matches.extend(pattern.find_matches())
File
"/home/profganesh/Tools/FolderForSecurifyVerTwo/securify2/securify/analyses/patterns/st
atic/static_analysis_patterns.py", line 73, in find_matches
    static = analysis_context.static_analysis
File
"/home/profganesh/Tools/FolderForSecurifyVerTwo/securify2/securify/analyses/analysis.py
", line 88, in static_analysis
    self._static = self.config.static_analysis(self)
File "/home/profganesh/Tools/FolderForSecurifyVerTwo/securify2/securify/__main__.py",
line 255, in <lambda>
    static_analysis=lambda t: static_analysis.analyze_cfg(t.cfg, **souffle_config),
File
"/home/profganesh/Tools/FolderForSecurifyVerTwo/securify2/securify/staticanalysis/static_
analysis.py", line 124, in analyze_cfg
    souffle_kwargs=kw_args_souffle)
File
"/home/profganesh/Tools/FolderForSecurifyVerTwo/securify2/securify/staticanalysis/souffl
e/souffle.py", line 62, in run_souffle
    **(souffle_kwargs or {}))
File
"/home/profganesh/Tools/FolderForSecurifyVerTwo/securify2/securify/staticanalysis/souffl
e/wrapper.py", line 119, in souffle_wrapper
    stderr_data=codecs.decode(stderrdata),
securify.staticanalysis.souffle.exceptions.SouffleError: Error during souffle execution:
```

Warning: No rules/facts defined for relation  
patternIncorrectInequalityPattern.compliantInContext in unknown source location.

Warning: Variable comment only occurs once in unknown source location.

Warning: Variable ctxString only occurs once in unknown source location.

Warning: No rules/facts defined for relation patternUnusedStateVariablePattern.compliance in

unknown source location

Warning: Variable callerFunction only occurs once in unknown source location.

Warning: Variable callerFunction only occurs once in unknown source location.

Warning: Variable callerTransfers only occurs once in unknown source location.

Warning: Variable callerTag only occurs once in unknown source location.

Warning: Variable thisBlock only occurs once in unknown source location.

Warning: No rules/facts defined for relation warnings in unknown source location.

failed to compile C++ source  
</home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/staticanalysis/d  
l-program.cpp>

## 10. Ownable.sol

(securifyenv)

profganeshteam@SmartContract:~/Tools/FolderForSecurifyVerTwo/securify2\$ securify  
/home/profganeshteam/Tools/FlattenedContracts/Ownable.sol

pragma directive defines a prior version to 0.5.10. Changing pragma version to 0.5.10....

Traceback (most recent call last):

File

"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securifyenv/bin/securify",  
line 11, in <module>

load\_entry\_point('securify', 'console\_scripts', 'securify')()

File "/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/\_\_main\_\_.py",  
line 277, in main

matches.extend(pattern.find\_matches())

File

"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/analyses/patterns/a  
st/naming\_convention\_pattern.py", line 17, in find\_matches

ast\_root = self.get\_ast\_root()

File

"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/analyses/patterns/a  
st/abstract\_ast\_pattern.py", line 18, in get\_ast\_root

ast\_root = self.analysis\_context.ast

File

"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/analyses/analysis.py",  
line 74, in ast

self.\_ast = self.config.ast\_compiler(self)

File "/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/\_\_main\_\_.py",  
line 253, in <lambda>

ast\_compiler=lambda t: solidity\_ast\_compiler.compile\_ast(t.source\_file),

File

"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/solidity/solidity\_ast\_  
compiler.py", line 31, in compile\_ast

compile\_output = compile\_standard(compile\_input, allow\_paths='/')

File

"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securifyenv/lib/python3.7/s

```
ite-packages/solc/main.py", line 181, in compile_standard
    message=error_message,
solc.exceptions.SolcError: fixed_pragma.sol:507:1: SyntaxError: Duplicate experimental feature
name.
```

```
pragma experimental ABIEncoderV2;
```

```
^-----^
```

```
> command: `solc --allow-paths / --standard-json`
```

```
> return code: `0`
```

```
> stderr:
```

```
{ "errors": [ { "component": "general", "formattedMessage": "fixed_pragma.sol:181:1:
```

```
Warning: Experimental features are turned on. Do not use experimental features on live
deployments.\npragma experimental ABIEncoderV2;\n^-----
```

```
-----^\\n", "message": "Experimental features are turned on. Do not use experimental
features on live
```

```
deployments.", "severity": "warning", "sourceLocation": { "end": 5554, "file": "fixed_pragma.sol", "star
t": 5521 }, "type": "Warn
```

```
ing" }, { "component": "general", "formattedMessage": "fixed_pragma.sol:507:1: SyntaxError:
Duplicate experimental feature name.\npragma experimental
```

```
ABIEncoderV2;\n^-----^\\n", "message": "Duplicate experimental fe
ature
```

```
name.", "severity": "error", "sourceLocation": { "end": 16816, "file": "fixed_pragma.sol", "start": 16783 }
, "type": "SyntaxError" }, ], "sources": {} }
```

```
> stdout:
```

## 12. MainframeTokenDistribution.sol

```
(securifyvenv)
```

```
profganeshteam@SmartContract:~/Tools/FolderForSecurifyVerTwo/securify2$ securify
```

```
/home/profganeshteam/Tools/FlattenedContracts/MainframeTokenDistribution.sol
```

```
pragma directive defines a prior version to 0.5.10. Changing pragma version to 0.5.10....
```

```
Traceback (most recent call last):
```

```
File
```

```
"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securifyvenv/bin/securify",
```

```
line 11, in <module>
```

```
    load_entry_point('securify', 'console_scripts', 'securify')()
```

```
File "/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/__main__.py",
line 277, in main
```

```
    matches.extend(pattern.find_matches())
```

```
File
```

```
"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/analyses/patterns/st
atic/static_analysis_is_patterns.py", line 73, in find_matches
```

```
    static = analysis_context.static_analysis
```

```
File
```

```
"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/analyses/analysis.py
```

```

", line 88, in static_analysis
    self._static = self.config.static_analysis(self)
File "/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/__main__.py",
line 255, in <lambda>
    static_analysis=lambda t: static_analysis.analyze_cfg(t.cfg, **souffle_config),
File
"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/analyses/analysis.py
", line 81, in cfg
    self._cfg = self.config.cfg_compiler(self)
File "/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/__main__.py",
line 254, in <lambda>
    cfg_compiler=lambda t: solidity_cfg_compiler.compile_cfg(t.ast).cfg,
File
"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/analyses/analysis.py
", line 74, in ast
    self._ast = self.config.ast_compiler(self)
File "/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/__main__.py",
line 253, in <lambda>
    ast_compiler=lambda t: solidity_ast_compiler.compile_ast(t.source_file),
File
"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/solidity/solidity_ast_
compiler.py", line 31, in compile_ast
    compile_output = compile_standard(compile_input, allow_paths='')
File
"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securifyvenv/lib/python3.7/s
ite-packages/solc/main.py", line 181, in compile_standard
    message=error_message,
solc.exceptions.SolcError: fixed_pragma.sol:507:1: SyntaxError: Duplicate experimental feature
name.
pragma experimental ABIEncoderV2;
^_____^

```

```

fixed_pragma.sol:1079:49: TypeError: Data location must be "calldata" for parameter in external
function, but none was given.

```

```

    function distributeTokens(address tokenOwner, address[] recipients, uint[] values) onlyOwner
external {

```

```

^_____^

```

```

fixed_pragma.sol:1079:71: TypeError: Data location must be "calldata" for parameter in external
function, but none was given.

```

```

    function distributeTokens(address tokenOwner, address[] recipients, uint[] values) onlyOwner
external {

```

```

^_____^

```

```

> command: `solc --allow-paths / --standard-json`
> return code: `0`
> stderr:
{"errors":[{"component":"general","formattedMessage":"fixed_pragma.sol:181:1:
Warning: Experimental features          are turned on. Do not use experimental features on live
deployments.\npragma          experimental          ABIEncoderV2;\n^-----
-----^\\n","message":"Experimental features are turned on. Do not use experimental
features          on          live
deployments."},"severity":"warning","sourceLocation":{"end":5554,"file":"fixed_pragma.sol","star
t":5521},"type":"Warn
ing"}],"component":"general","formattedMessage":"fixed_pragma.sol:507:1:      SyntaxError:
Duplicate  experimental  feature          name.\npragma  experimental
ABIEncoderV2;\n^-----^\\n","message":"Duplicate  experimental  fe
ature
name."},"severity":"error","sourceLocation":{"end":16816,"file":"fixed_pragma.sol","start":16783}
,"type":"Synta
xErro"}, {"component":"general","formattedMessage":"fixed_pragma.sol:1079:49:      TypeError:
Data location must be \"cal          ldata\" for parameter in external function, but none was
given.\n  function distributeTokens(address tokenOwner, add          ress[] recipients, uint[]
values)          onlyOwner          external          {\n
^-----
-----^\\n","message":"Data location must be \"calldata\" for parameter in
external          function,          but          none          was          given."},"
severity":"error","sourceLocation":{"end":36000,"file":"fixed_pragma.sol","start":35980},"type":"
TypeError"}, {"compo
nent":"general","formattedMessage":"fixed_pragma.sol:1079:71:
TypeError: Data location must be \"calldata\" for para          meter in external function, but none
was given.\n  function distributeTokens(address tokenOwner, address[] recipient          s, uint[]
values)          onlyOwner          external          {\n
^-----
-----^\\n","message":"Data location must be \"calldata\" for parameter in external
function,          but          none          was          given."},"s
everity":"error","sourceLocation":{"end":36015,"file":"fixed_pragma.sol","start":36002},"type":"
TypeError"}],"source
s":{}}

```

> stdout:

### 13. MainframeToken.sol

(securifyenv)

```

profganesh@SmartContract:~/Tools/FolderForSecurifyVerTwo/securify2$ securify
/home/profganesh@SmartContract:~/Tools/FlattenedContracts/MainframeToken.sol
pragma directive defines a prior version to 0.5.10. Changing pragma version to 0.5.10....

```

Traceback (most recent call last):

```

File
"/home/profganesh@SmartContract:~/Tools/FolderForSecurifyVerTwo/securify2/securifyenv/bin/securify",
line 11, in <module>
    load_entry_point('securify', 'console_scripts', 'securify')()
File "/home/profganesh@SmartContract:~/Tools/FolderForSecurifyVerTwo/securify2/securify/__main__.py",

```



```

line 277, in main
    matches.extend(pattern.find_matches())
File
"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/analyses/patterns/st
atic/static_analys      is_patterns.py", line 73, in find_matches
    static = analysis_context.static_analysis
File
"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/analyses/analysis.py
", line 88, in sta      tic_analysis
    self._static = self.config.static_analysis(self)
File "/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/__main__.py",
line 255, in <lambda>
    static_analysis=lambda t: static_analysis.analyze_cfg(t.cfg, **souffle_config),
File
"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/analyses/analysis.py
", line 81, in cfg
    self._cfg = self.config.cfg_compiler(self)
File "/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/__main__.py",
line 254, in <lambda>
    cfg_compiler=lambda t: solidity_cfg_compiler.compile_cfg(t.ast).cfg,
File
"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/analyses/analysis.py
", line 74, in ast
    self._ast = self.config.ast_compiler(self)
File "/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/__main__.py",
line 253, in <lambda>
    ast_compiler=lambda t: solidity_ast_compiler.compile_ast(t.source_file),
File
"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/solidity/solidity_ast_
compiler.py", li      ne 31, in compile_ast
    compile_output = compile_standard(compile_input, allow_paths='/')
File
"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securifyvenv/lib/python3.7/s
ite-packages/solc/m      ain.py", line 181, in compile_standard
    message=error_message,
solc.exceptions.SolcError: fixed_pragma.sol:582:65: ParserError: The state mutability modifier
"constant" was remove      d in version 0.5.0. Use "view" or "pure" instead.
    function balanceOf(TokenStorage storage self, address _owner) constant returns (uint balance)
    {
                                                                    ^-----^

fixed_pragma.sol:592:83: ParserError: The state mutability modifier "constant" was removed in
version 0.5.0. Use "vi      ew" or "pure" instead.
    function allowance(TokenStorage storage self, address _owner, address _spender) constant

```

```
returns (uint remaining)      {
```

```
^-----^
```

fixed\_pragma.sol:624:27: ParserError: The state mutability modifier "constant" was removed in version 0.5.0. Use "view" or "pure" instead.

```
function totalSupply() constant returns (uint) {
```

```
^-----^
```

fixed\_pragma.sol:628:36: ParserError: The state mutability modifier "constant" was removed in version 0.5.0. Use "view" or "pure" instead.

```
function balanceOf(address who) constant returns (uint) {
```

```
^-----^
```

fixed\_pragma.sol:632:55: ParserError: The state mutability modifier "constant" was removed in version 0.5.0. Use "view" or "pure" instead.

```
function allowance(address owner, address spender) constant returns (uint) {
```

```
^-----^
```

```
> command: `solc --allow-paths / --standard-json`
```

```
> return code: `0`
```

```
> stderr:
```

```
{ "errors": [ { "component": "general", "formattedMessage": "fixed_pragma.sol:582:65:
```

```
ParserError: The state mutability modifier \"constant\" was removed in version 0.5.0. Use  
\"view\" or \"pure\" instead.\n  function balanceOf(TokenStorage storage self, address
```

```
_owner) constant returns (uint balance) {\n
```

```
^-----^\n", "message": "The state mutability modifier \"constant\" was removed in version 0.5.
```

```
0. Use \"view\" or \"pure\" instead.", "severity": "error", "sourceLocation": { "end": 19600, "file": "fixed_pragma.sol", "st
```

```
art": 19592, "type": "ParserError"}, { "component": "general", "formattedMessage": "fixed_pragma.s
```

```
ol:592:83: ParserError: The state mutability modifier \"constant\" was removed in version
```

```
0.5.0. Use \"view\" or \"pure\" instead.\n  function allowance(TokenStorage storage self,
```

```
address _owner, address _spender) constant returns (uint remaining) {\n
```

```
^-----^\n", "message": "The state mutability modifier \"constant\" was removed in version
```

```
0.5.0. Use \"view\" or \"pure\" instead.", "severity": "error", "source
```

```
Location": { "end": 19972, "file": "fixed_pragma.sol", "start": 19964, "type": "ParserError"}, { "comp
```

```
onent": "general", "formattedMessage": "fixed_pragma.sol:624:27: ParserError: The state
```

```
mutability modifier \"constant\" was removed in version 0.5.0. Use \"view\" or \"pure\"
```

```
instead.\n  function totalSupply() constant returns (uint) {\n
```

```
^-----^\n", "message": "The state mutability modifier \"constant\" was removed in version 0.5.0.
```

```
Use \"view\" or \"pure\" instead.", "severity": "error", "sourceLocation": { "end": 20666, "file": "fixed_pragma.sol", "start": 2065
```

```
8, "type": "ParserError"}, { "component": "general", "formattedMessage": "fixed_pragma.sol:628:36:
```

```
ParserError: The state mutability modifier \"constant\" was removed in version 0.5.0. Use \"view\" or \"pure\"
```

```
instead.\n  function balanceOf(address who) constant returns (uint) {\n
```

```
^-----^\n", "message": "The state mutability modifier \"constant\" was removed in version 0.5.0. Use \"view\" or \"pure\"
```

```
instead.\n  function allowance(address owner, address spender) constant returns (uint) {\n
```

```
^-----^\n", "message": "The state mutability modifier \"constant\" was removed in version 0.5.0. Use \"view\" or \"pure\"
```

```
instead.\n  function balanceOf(address who) constant returns (uint) {\n
```

```
^-----^\n", "message": "The state mutability modifier \"constant\" was removed in version 0.5.0. Use \"view\" or \"pure\"
```

```
instead.\n  function allowance(address owner, address spender) constant returns (uint) {\n
```

```
^-----^\n", "message": "The state mutability modifier \"constant\" was removed in version 0.5.0. Use \"view\" or \"pure\"
```

```

ParserError: The state mutability modifier \"constant\" was removed in version 0.5.0. Use
\"view\" or \"pure\" instead.\n      function balanceOf(address owner) constant returns
(uint) {\n          ^-----^\n\", \"message\": \"The state mutability
modifier \"constant\" was removed in version 0.5.0. Use \"view\" or \"pure\"
instead.\", \"severity\": \"error\", \"sourceLocation\": {\"end\": 20764, \"file\": \"fixed_pragma.sol\", \"start\": 20756}, \"type\": \"ParserError\"}, {\"component\":
\"general\", \"formattedMessage\": \"fixed_pragma.sol:632:55: ParserError: The state
mutability modifier \"constant\" was removed in version 0.5.0. Use \"view\" or \"pure\"
instead.\", \"severity\": \"error\", \"sourceLocation\": {\"end\": 20884, \"file\": \"fixed_pragma.sol\", \"start\": 20876}, \"type\": \"ParserError\"}}, \"sources\": {}}

```

> stdout:

#### 14. Lockdrop.sol

```

(securifyvenv)
profganeshteam@SmartContract:~/Tools/FolderForSecurifyVerTwo/securify2$ securify
/home/profganeshteam/Tools/FlattenedContracts/Lockdrop.sol
pragma directive defines a prior version to 0.5.10. Changing pragma version to 0.5.10....
Executable not found. Compiling it now. This might take some time...
Traceback (most recent call last):
  File
"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securifyvenv/bin/securify",
line 11, in <module>
    load_entry_point('securify', 'console_scripts', 'securify')()
  File "/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/__main__.py",
line 277, in main
    matches.extend(pattern.find_matches())
  File
"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/analyses/patterns/static/static_analysis_is_patterns.py", line 73, in find_matches
    static = analysis_context.static_analysis
  File
"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/analyses/analysis.py", line 88, in static_analysis
    self._static = self.config.static_analysis(self)
  File "/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/__main__.py",
line 255, in <lambda>
    static_analysis=lambda t: static_analysis.analyze_cfg(t.cfg, **souffle_config),
  File
"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/staticanalysis/static_analysis.py", line 124, in analyze_cfg
    souffle_kwargs=kw_args_souffle)

```

```

File
"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/secrify/staticanalysis/souffle/souffle.py", line 62, in run_souffle
    **(souffle_kwargs or {})
File
"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/secrify/staticanalysis/souffle/wrapper.py", line 119, in souffle_wrapper
    stderr_data=codecs.decode(stderrdata),
secrify.staticanalysis.souffle.exceptions.SouffleError: Error during souffle execution:

Warning: No rules/facts defined for relation
patternIncorrectInequalityPattern.compliantInContext in unknown source location.
Warning: Variable comment only occurs once in unknown source location.
Warning: Variable ctxString only occurs once in unknown source location.
Warning: No rules/facts defined for relation patternUnusedStateVariablePattern.compliance in
unknown source location .
Warning: Variable callerFunction only occurs once in unknown source location.
Warning: Variable callerFunction only occurs once in unknown source location.
Warning: Variable callerTransfers only occurs once in unknown source location.
Warning: Variable callerTag only occurs once in unknown source location.
Warning: Variable thisBlock only occurs once in unknown source location.
Warning: No rules/facts defined for relation warnings in unknown source location.
failed to compile C++ source
</home/profganeshteam/Tools/FolderForSecurifyVerTwo/secrify2/secrify/staticanalysis/d
l-program.cpp>
15. LibraryLock.sol
(secrifyvenv)
profganeshteam@SmartContract:~/Tools/FolderForSecurifyVerTwo/secrify2$ securify
/home/profganeshteam/Tools/FlattenedContracts/LibraryLock.sol
pragma directive defines a prior version to 0.5.10. Changing pragma version to 0.5.10....
Traceback (most recent call last):
  File
"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/secrify2/secrifyvenv/bin/secrify",
line 11, in <module>
    load_entry_point('secrify', 'console_scripts', 'secrify')()
  File "/home/profganeshteam/Tools/FolderForSecurifyVerTwo/secrify2/secrify/__main__.py",
line 277, in main
    matches.extend(pattern.find_matches())
  File
"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/secrify2/secrify/analyses/patterns/st
atic/static_analysis_patterns.py", line 73, in find_matches
    static = analysis_context.static_analysis
  File
"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/secrify2/secrify/analyses/analysis.py

```

```

", line 88, in static_analysis
    self._static = self.config.static_analysis(self)
File "/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/__main__.py",
line 255, in <lambda>
    static_analysis=lambda t: static_analysis.analyze_cfg(t.cfg, **souffle_config),
File
"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/analyses/analysis.py
", line 81, in cfg
    self._cfg = self.config.cfg_compiler(self)
File "/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/__main__.py",
line 254, in <lambda>
    cfg_compiler=lambda t: solidity_cfg_compiler.compile_cfg(t.ast).cfg,
File
"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/analyses/analysis.py
", line 74, in ast
    self._ast = self.config.ast_compiler(self)
File "/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/__main__.py",
line 253, in <lambda>
    ast_compiler=lambda t: solidity_ast_compiler.compile_ast(t.source_file),
File
"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/solidity/solidity_ast_
compiler.py", line 31, in compile_ast
    compile_output = compile_standard(compile_input, allow_paths='/')
File
"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securifyvenv/lib/python3.7/s
ite-packages/solc/main.py", line 181, in compile_standard
    message=error_message,
solc.exceptions.SolcError: fixed_pragma.sol:507:1: SyntaxError: Duplicate experimental feature
name.
pragma experimental ABIEncoderV2;
^-----^

```

```

> command: `solc --allow-paths / --standard-json`
> return code: `0`
> stderr:
{"errors":[{"component":"general","formattedMessage":"fixed_pragma.sol:181:1:
Warning: Experimental features are turned on. Do not use experimental features on live
deployments.\npragma experimental ABIEncoderV2;\n^-----
-----^\\n","message":"Experimental features are turned on. Do not use experimental
features on live
deployments."},"severity":"warning","sourceLocation":{"end":5554,"file":"fixed_pragma.sol","star
t":5521},"type":"Warn
ing"}],"component":"general","formattedMessage":"fixed_pragma.sol:507:1: SyntaxError:
Duplicate experimental feature name.\npragma experimental

```

```
ABIEncoderV2;\n^-----^\\n","message":"Duplicate experimental fe
ature
name.", "severity": "error", "sourceLocation": {"end": 16816, "file": "fixed_pragma.sol", "start": 16783}
, "type": "SyntaxError"}, "sources": {}}
```

> stdout:

## 16. IRTokenAdmin.sol

(securifyvenv)

```
profganesh@SmartContract:~/Tools/FolderForSecurifyVerTwo/securify2$ securify
/home/profganesh/Tools/FlattenedContracts/IRTokenAdmin.sol
```

Executable not found. Compiling it now. This might take some time...

Traceback (most recent call last):

File

```
"/home/profganesh/Tools/FolderForSecurifyVerTwo/securify2/securifyvenv/bin/securify",
line 11, in <module>
```

```
load_entry_point('securify', 'console_scripts', 'securify')()
```

```
File "/home/profganesh/Tools/FolderForSecurifyVerTwo/securify2/securify/__main__.py",
line 277, in main
```

```
matches.extend(pattern.find_matches())
```

File

```
"/home/profganesh/Tools/FolderForSecurifyVerTwo/securify2/securify/analyses/patterns/st
atic/static_analysis_patterns.py", line 73, in find_matches
```

```
static = analysis_context.static_analysis
```

File

```
"/home/profganesh/Tools/FolderForSecurifyVerTwo/securify2/securify/analyses/analysis.py
", line 88, in static_analysis
```

```
self._static = self.config.static_analysis(self)
```

```
File "/home/profganesh/Tools/FolderForSecurifyVerTwo/securify2/securify/__main__.py",
line 255, in <lambda>
```

```
static_analysis=lambda t: static_analysis.analyze_cfg(t.cfg, **souffle_config),
```

File

```
"/home/profganesh/Tools/FolderForSecurifyVerTwo/securify2/securify/staticanalysis/static_
analysis.py", line 124, in analyze_cfg
```

```
souffle_kwargs=kw_args_souffle)
```

File

```
"/home/profganesh/Tools/FolderForSecurifyVerTwo/securify2/securify/staticanalysis/souffl
e/souffle.py", line 62, in run_souffle
```

```
**({souffle_kwargs or {}})
```

File

```
"/home/profganesh/Tools/FolderForSecurifyVerTwo/securify2/securify/staticanalysis/souffl
e/wrapper.py", line 119, in souffle_wrapper
```

```
stderr_data=codecs.decode(stderrdata),
```

securify.staticanalysis.souffle.exceptions.SouffleError: Error during souffle execution:

Warning: No rules/facts defined for relation  
 patternIncorrectInequalityPattern.compliantInContext in unknown source location.  
 Warning: Variable comment only occurs once in unknown source location.  
 Warning: Variable ctxString only occurs once in unknown source location.  
 Warning: No rules/facts defined for relation patternUnusedStateVariablePattern.compliance in  
 unknown source location.  
 Warning: Variable callerFunction only occurs once in unknown source location.  
 Warning: Variable callerFunction only occurs once in unknown source location.  
 Warning: Variable callerTransfers only occurs once in unknown source location.  
 Warning: Variable callerTag only occurs once in unknown source location.  
 Warning: Variable thisBlock only occurs once in unknown source location.  
 Warning: No rules/facts defined for relation warnings in unknown source location.

failed to compile C++ source  
 </home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/staticanalysis/dl-pro  
 gram.cpp>

## 17. IRToken. sol

(securifyvenv)

profganeshteam@SmartContract:~/Tools/FolderForSecurifyVerTwo/securify2\$ securify  
 /home/profganeshteam/Tools/FlattenedContracts/IRToken.sol

pragma directive defines a prior version to 0.5.10. Changing pragma version to 0.5.10....

Executable not found. Compiling it now. This might take some time...

Traceback (most recent call last):

File

"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securifyvenv/bin/securify",  
 line 11, in <module>

load\_entry\_point('securify', 'console\_scripts', 'securify')()

File "/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/\_\_main\_\_.py",  
 line 277, in main

matches.extend(pattern.find\_matches())

File

"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/analyses/patterns/st  
 atic/static\_analysis\_patterns.py", line 73, in find\_matches

static = analysis\_context.static\_analysis

File

"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/analyses/analysis.py  
 ", line 88, in static\_analysis

self.\_static = self.config.static\_analysis(self)

File "/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/\_\_main\_\_.py",  
 line 255, in <lambda>

static\_analysis=lambda t: static\_analysis.analyze\_cfg(t.cfg, \*\*souffle\_config),

File

"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/staticanalysis/static\_  
 analysis.py", line 124, in analyze\_cfg

souffle\_kwargs=kw\_args\_souffle)

```

File
"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/staticanalysis/souffle/souffle.py", line 62, in run_souffle
    **(souffle_kwargs or {}))
File
"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/staticanalysis/souffle/wrapper.py", line 119, in souffle_wrapper
    stderr_data=codecs.decode(stderrdata),
securify.staticanalysis.souffle.exceptions.SouffleError: Error during souffle execution:

Warning:          No          rules/facts          defined          for          relation
patternIncorrectInequalityPattern.compliantInContext in unknown source location.
Warning: Variable comment only occurs once in unknown source location.
Warning: Variable ctxString only occurs once in unknown source location.
Warning: No rules/facts defined for relation patternUnusedStateVariablePattern.compliance in
unknown source location.
Warning: Variable callerFunction only occurs once in unknown source location.
Warning: Variable callerFunction only occurs once in unknown source location.
Warning: Variable callerTransfers only occurs once in unknown source location.
Warning: Variable callerTag only occurs once in unknown source location.
Warning: Variable thisBlock only occurs once in unknown source location.
Warning: No rules/facts defined for relation warnings in unknown source location.
failed          to          compile          C++          source
</home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/staticanalysis/dl-program.cpp>
18. IAllocationStrategy.sol
(securifyvenv)
profganeshteam@SmartContract:~/Tools/FolderForSecurifyVerTwo/securify2$ securify
/home/profganeshteam/Tools/FlattenedContracts/IAllocationStrategy.sol
pragma directive defines a prior version to 0.5.10. Changing pragma version to 0.5.10....
Executable not found. Compiling it now. This might take some time...
Traceback (most recent call last):
  File
"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securifyvenv/bin/securify",
line 11, in <module>
    load_entry_point('securify', 'console_scripts', 'securify')()
  File "/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/__main__.py",
line 277, in main
    matches.extend(pattern.find_matches())
  File
"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/analyses/patterns/static/static_analysis_patterns.py", line 73, in find_matches
    static = analysis_context.static_analysis
  File

```



```

"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/analyses/analysis.py
", line 88, in static_analysis
    self._static = self.config.static_analysis(self)
  File "/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/__main__.py",
line 255, in <lambda>
    static_analysis=lambda t: static_analysis.analyze_cfg(t.cfg, **souffle_config),
  File
"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/staticanalysis/static_
analysis.py", line 124, in analyze_cfg
    souffle_kwargs=kw_args_souffle)
  File
"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/staticanalysis/souffl
e/souffle.py", line 62, in run_souffle
    **(souffle_kwargs or {})
  File
"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/staticanalysis/souffl
e/wrapper.py", line 119, in souffle_wrapper
    stderr_data=codecs.decode(stderrdata),
securify.staticanalysis.souffle.exceptions.SouffleError: Error during souffle execution:

```

```

Warning:          No          rules/facts          defined          for          relation
patternIncorrectInequalityPattern.compliantInContext in unknown source location.
Warning: Variable comment only occurs once in unknown source location.
Warning: Variable ctxString only occurs once in unknown source location.
Warning: No rules/facts defined for relation patternUnusedStateVariablePattern.compliance in
unknown source location.
Warning: Variable callerFunction only occurs once in unknown source location.
Warning: Variable callerFunction only occurs once in unknown source location.
Warning: Variable callerTransfers only occurs once in unknown source location.
Warning: Variable callerTag only occurs once in unknown source location.
Warning: Variable thisBlock only occurs once in unknown source location.
Warning: No rules/facts defined for relation warnings in unknown source location.

```

```

failed          to          compile          C++          source
</home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/staticanalysis/dl-pro
gram.cpp>

```

19. guess\_the\_random\_number.sol

(securifyvenv)

```

profganeshteam@SmartContract:~/Tools/FolderForSecurifyVerTwo/securify2$ securify
/home/profganeshteam/Tools/FlattenedContracts/guess_the_random_number.sol
pragma directive defines a prior version to 0.5.10. Changing pragma version to 0.5.10...
Executable not found. Compiling it now. This might take some time...

```

Traceback (most recent call last):

File

```

"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securifyvenv/bin/securify",

```

```

line 11, in <module>
    load_entry_point('securify', 'console_scripts', 'securify')()
File "/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/__main__.py",
line 277, in main
    matches.extend(pattern.find_matches())
File
"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/analyses/patterns/st
atic/static_analysis_patterns.py", line 73, in find_matches
    static = analysis_context.static_analysis
File
"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/analyses/analysis.py
", line 88, in static_analysis
    self._static = self.config.static_analysis(self)
File "/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/__main__.py",
line 255, in <lambda>
    static_analysis=lambda t: static_analysis.analyze_cfg(t.cfg, **souffle_config),
File
"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/staticanalysis/static_
analysis.py", line 124, in analyze_cfg
    souffle_kwargs=kw_args_souffle)
File
"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/staticanalysis/souffl
e/souffle.py", line 62, in run_souffle
    **(souffle_kwargs or {}))
File
"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/staticanalysis/souffl
e/wrapper.py", line 119, in souffle_wrapper
    stderr_data=codecs.decode(stderrdata),
securify.staticanalysis.souffle.exceptions.SouffleError: Error during souffle execution:

```

Warning: No rules/facts defined for relation  
patternIncorrectInequalityPattern.compliantInContext in unknown source location.

Warning: Variable comment only occurs once in unknown source location.

Warning: Variable ctxString only occurs once in unknown source location.

Warning: No rules/facts defined for relation patternUnusedStateVariablePattern.compliance in  
unknown source location.

Warning: Variable callerFunction only occurs once in unknown source location.

Warning: Variable callerFunction only occurs once in unknown source location.

Warning: Variable callerTransfers only occurs once in unknown source location.

Warning: Variable callerTag only occurs once in unknown source location.

Warning: Variable thisBlock only occurs once in unknown source location.

Warning: No rules/facts defined for relation warnings in unknown source location.

failed to compile C++ source  
</home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/staticanalysis/dl-pro

gram.cpp>

11. modifier\_reentrancy.sol

(securifyvenv)

profganesh@SmartContract:~/Tools/FolderForSecurifyVerTwo/securify2\$ securify

/home/profganesh@SmartContract:~/Tools/FlattenedContracts/modifier\_reentrancy.sol

pragma directive defines a prior version to 0.5.10. Changing pragma version to 0.5.10....

Executable not found. Compiling it now. This might take some time...

Traceback (most recent call last):

File

"/home/profganesh@SmartContract:~/Tools/FolderForSecurifyVerTwo/securify2/securifyvenv/bin/securify",

line 11, in <module>

load\_entry\_point('securify', 'console\_scripts', 'securify')()

File "/home/profganesh@SmartContract:~/Tools/FolderForSecurifyVerTwo/securify2/securify/\_\_main\_\_.py",  
line 277, in main

matches.extend(pattern.find\_matches())

File

"/home/profganesh@SmartContract:~/Tools/FolderForSecurifyVerTwo/securify2/securify/analyses/patterns/static/static\_analysis\_is\_patterns.py", line 73, in find\_matches

static = analysis\_context.static\_analysis

File

"/home/profganesh@SmartContract:~/Tools/FolderForSecurifyVerTwo/securify2/securify/analyses/analysis.py",  
line 88, in static\_analysis

self.\_static = self.config.static\_analysis(self)

File "/home/profganesh@SmartContract:~/Tools/FolderForSecurifyVerTwo/securify2/securify/\_\_main\_\_.py",  
line 255, in <lambda>

static\_analysis=lambda t: static\_analysis.analyze\_cfg(t.cfg, \*\*souffle\_config),

File

"/home/profganesh@SmartContract:~/Tools/FolderForSecurifyVerTwo/securify2/securify/staticanalysis/static\_analysis.py", line 124, in analyze\_cfg

souffle\_kwargs=kwargs\_souffle)

File

"/home/profganesh@SmartContract:~/Tools/FolderForSecurifyVerTwo/securify2/securify/staticanalysis/souffle/souffle.py", line 62, in run\_souffle

\*\*kwargs\_souffle)

File

"/home/profganesh@SmartContract:~/Tools/FolderForSecurifyVerTwo/securify2/securify/staticanalysis/souffle/wrapper.py", line 119, in souffle\_wrapper

stderr\_data=codecs.decode(stderrdata),

securify.staticanalysis.souffle.exceptions.SouffleError: Error during souffle execution:

Warning: No rules/facts defined for relation  
patternIncorrectInequalityPattern.compliantInContext in unknown source location.

Warning: Variable comment only occurs once in unknown source location.

Warning: Variable ctxString only occurs once in unknown source location.

Warning: No rules/facts defined for relation patternUnusedStateVariablePattern.compliance in unknown source location .

Warning: Variable callerFunction only occurs once in unknown source location.

Warning: Variable callerFunction only occurs once in unknown source location.

Warning: Variable callerTransfers only occurs once in unknown source location.

Warning: Variable callerTag only occurs once in unknown source location.

Warning: Variable thisBlock only occurs once in unknown source location.

Warning: No rules/facts defined for relation warnings in unknown source location.

failed to compile C++ source  
</home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/staticanalysis/d  
l-program.cpp>

20. dos\_simple.sol

(securifyvenv)

profganeshteam@SmartContract:~/Tools/FolderForSecurifyVerTwo/securify2\$ securify

/home/profganeshteam/Tools/FlattenedContracts/dos\_simple.sol

pragma directive defines a prior version to 0.5.10. Changing pragma version to 0.5.10....

Executable not found. Compiling it now. This might take some time...

Traceback (most recent call last):

File

"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securifyvenv/bin/securify",

line 11, in <module>

load\_entry\_point('securify', 'console\_scripts', 'securify')()

File "/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/\_\_main\_\_.py",  
line 277, in main

matches.extend(pattern.find\_matches())

File

"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/analyses/patterns/st  
atic/static\_analysis\_patterns.py", line 73, in find\_matches

static = analysis\_context.static\_analysis

File

"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/analyses/analysis.py

", line 88, in static\_analysis

self.\_static = self.config.static\_analysis(self)

File "/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/\_\_main\_\_.py",  
line 255, in <lambda>

static\_analysis=lambda t: static\_analysis.analyze\_cfg(t.cfg, \*\*souffle\_config),

File

"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/staticanalysis/static\_  
analysis.py", line 124, in analyze\_cfg

souffle\_kwargs=kw\_args\_souffle)

File

"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/staticanalysis/souffl  
e/souffle.py", line 62, in run\_souffle

\*\*(souffle\_kwargs or {}))

```

File
"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/staticanalysis/souffl
e/wrapper.py", line 119, in souffle_wrapper
    stderr_data=codecs.decode(stderrdata),
securify.staticanalysis.souffle.exceptions.SouffleError: Error during souffle execution:

Warning:          No          rules/facts          defined          for          relation
patternIncorrectInequalityPattern.compliantInContext in unknown source location.
Warning: Variable comment only occurs once in unknown source location.
Warning: Variable ctxString only occurs once in unknown source location.
Warning: No rules/facts defined for relation patternUnusedStateVariablePattern.compliance in
unknown source location.
Warning: Variable callerFunction only occurs once in unknown source location.
Warning: Variable callerFunction only occurs once in unknown source location.
Warning: Variable callerTransfers only occurs once in unknown source location.
Warning: Variable callerTag only occurs once in unknown source location.
Warning: Variable thisBlock only occurs once in unknown source location.
Warning: No rules/facts defined for relation warnings in unknown source location.
failed          to          compile          C++          source
</home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/staticanalysis/dl-pro
gram.cpp>
21. dos_number.sol
(securifyvenv)
profganeshteam@SmartContract:~/Tools/FolderForSecurifyVerTwo/securify2$ securify
/home/profganeshteam/Tools/FlattenedContracts/dos_number.sol
pragma directive defines a prior version to 0.5.10. Changing pragma version to 0.5.10....
Executable not found. Compiling it now. This might take some time...
Traceback (most recent call last):
  File
"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securifyvenv/bin/securify",
line 11, in <module>
    load_entry_point('securify', 'console_scripts', 'securify')()
  File "/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/__main__.py",
line 277, in main
    matches.extend(pattern.find_matches())
  File
"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/analyses/patterns/st
atic/static_analysis_patterns.py", line 73, in find_matches
    static = analysis_context.static_analysis
  File
"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/analyses/analysis.py
", line 88, in static_analysis
    self._static = self.config.static_analysis(self)
  File "/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/__main__.py",

```

```

line 255, in <lambda>
    static_analysis=lambda t: static_analysis.analyze_cfg(t.cfg, **souffle_config),
File
"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/staticanalysis/static_
analysis.py", line 124, in analyze_cfg
    souffle_kwargs=kw_args_souffle)
File
"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/staticanalysis/souffl
e/souffle.py", line 62, in run_souffle
    **({souffle_kwargs or {}})
File
"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/staticanalysis/souffl
e/wrapper.py", line 119, in souffle_wrapper
    stderr_data=codecs.decode(stderrdata),
securify.staticanalysis.souffle.exceptions.SouffleError: Error during souffle execution:

```

```

Warning:          No          rules/facts          defined          for          relation
patternIncorrectInequalityPattern.compliantInContext in unknown source location.
Warning: Variable comment only occurs once in unknown source location.
Warning: Variable ctxString only occurs once in unknown source location.
Warning: No rules/facts defined for relation patternUnusedStateVariablePattern.compliance in
unknown source location.
Warning: Variable callerFunction only occurs once in unknown source location.
Warning: Variable callerFunction only occurs once in unknown source location.
Warning: Variable callerTransfers only occurs once in unknown source location.
Warning: Variable callerTag only occurs once in unknown source location.
Warning: Variable thisBlock only occurs once in unknown source location.
Warning: No rules/facts defined for relation warnings in unknown source location.

```

```

failed          to          compile          C++          source
</home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/staticanalysis/dl-pro
gram.cpp>

```

22. dos\_address.sol

```

(securifyvenv)
profganeshteam@SmartContract:~/Tools/FolderForSecurifyVerTwo/securify2$ securify
/home/profganeshteam/Tools/FlattenedContracts/dos_address.sol
pragma directive defines a prior version to 0.5.10. Changing pragma version to 0.5.10....
Executable not found. Compiling it now. This might take some time...
Traceback (most recent call last):
File
"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securifyvenv/bin/securify",
line 11, in <module>
    load_entry_point('securify', 'console_scripts', 'securify')()
File "/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/__main__.py",
line 277, in main

```

```

        matches.extend(pattern.find_matches())
File
"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/analyses/patterns/static/static_analysis_patterns.py", line 73, in find_matches
    static = analysis_context.static_analysis
File
"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/analyses/analysis.py", line 88, in static_analysis
    self._static = self.config.static_analysis(self)
File "/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/__main__.py", line 255, in <lambda>
    static_analysis=lambda t: static_analysis.analyze_cfg(t.cfg, **souffle_config),
File
"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/staticanalysis/static_analysis.py", line 124, in analyze_cfg
    souffle_kwargs=kw_args_souffle)
File
"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/staticanalysis/souffle/souffle.py", line 62, in run_souffle
    **({souffle_kwargs or {}})
File
"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/staticanalysis/souffle/wrapper.py", line 119, in souffle_wrapper
    stderr_data=codecs.decode(stderrdata),
securify.staticanalysis.souffle.exceptions.SouffleError: Error during souffle execution:

```

Warning: No rules/facts defined for relation patternIncorrectInequalityPattern.compliantInContext in unknown source location.

Warning: Variable comment only occurs once in unknown source location.

Warning: Variable ctxString only occurs once in unknown source location.

Warning: No rules/facts defined for relation patternUnusedStateVariablePattern.compliance in unknown source location.

Warning: Variable callerFunction only occurs once in unknown source location.

Warning: Variable callerFunction only occurs once in unknown source location.

Warning: Variable callerTransfers only occurs once in unknown source location.

Warning: Variable callerTag only occurs once in unknown source location.

Warning: Variable thisBlock only occurs once in unknown source location.

Warning: No rules/facts defined for relation warnings in unknown source location.

failed to compile C++ source  
 </home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/staticanalysis/dl-program.cpp>

## 23. CompoundAllocationStrategy.sol

(securifyenv)

profganeshteam@SmartContract:~/Tools/FolderForSecurifyVerTwo/securify2\$ securify

```

/home/profganeshteam/Tools/FlattenedContracts/CompoundAllocationStrategy.sol
pragma directive defines a prior version to 0.5.10. Changing pragma version to 0.5.10....
Traceback (most recent call last):
  File
"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securifyenv/bin/securify",
line 11, in <module>
  load_entry_point('securify', 'console_scripts', 'securify')()
  File "/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/__main__.py",
line 277, in main
    matches.extend(pattern.find_matches())
  File
"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/analyses/patterns/st
atic/static_analysis_patterns.py", line 73, in find_matches
    static = analysis_context.static_analysis
  File
"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/analyses/analysis.py
", line 88, in static_analysis
    self._static = self.config.static_analysis(self)
  File "/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/__main__.py",
line 255, in <lambda>
    static_analysis=lambda t: static_analysis.analyze_cfg(t.cfg, **souffle_config),
  File
"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/analyses/analysis.py
", line 81, in cfg
    self._cfg = self.config.cfg_compiler(self)
  File "/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/__main__.py",
line 254, in <lambda>
    cfg_compiler=lambda t: solidity_cfg_compiler.compile_cfg(t.ast).cfg,
  File
"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/analyses/analysis.py
", line 74, in ast
    self._ast = self.config.ast_compiler(self)
  File "/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/__main__.py",
line 253, in <lambda>
    ast_compiler=lambda t: solidity_ast_compiler.compile_ast(t.source_file),
  File
"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/solidity/solidity_ast_
compiler.py", line 31, in compile_ast
    compile_output = compile_standard(compile_input, allow_paths='/')
  File
"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securifyenv/lib/python3.7/s
ite-packages/solc/main.py", line 181, in compile_standard
    message=error_message,
solc.exceptions.SolcError: fixed_pragma.sol:507:1: SyntaxError: Duplicate experimental feature

```



name.

```
pragma experimental ABIEncoderV2;
```

```
^-----^
```

```
> command: `solc --allow-paths / --standard-json`
```

```
> return code: `0`
```

```
> stderr:
```

```
{ "errors": [ { "component": "general", "formattedMessage": "fixed_pragma.sol:235:1:
```

```
Warning: Experimental features are turned on. Do not use experimental features on live
deployments.\npragma
```

```
ABIEncoderV2;\n^-----^ \n", "message": "Experimental features are turned on.
```

```
Do not use experimental features on live
```

```
deployments.", "severity": "warning", "sourceLocation": { "end": 7511, "file": "fixed_pragma.sol", "star
```

```
t": 7478 }, { "type": "Warning" }, { "component": "general", "formattedMessage": "fixed_pragma.sol:507:
```

```
1: SyntaxError: Duplicate experimental feature name.\npragma experimental
```

```
ABIEncoderV2;\n^-----^ \n", "message": "Duplicate experimental feature
```

```
name.", "severity": "error", "sourceLocation": { "end": 16816, "file": "fixed_pragma.sol", "start": 16783 }
```

```
, "type": "SyntaxError" }, { "sources": {} }
```

```
> stdout:
```

## 24. Casino.sol

```
(securifyvenv)
```

```
profganeshteam@SmartContract:~/Tools/FolderForSecurifyVerTwo/securify2$ securify
```

```
/home/profganeshteam/Tools/FlattenedContracts/Casino.sol
```

```
pragma directive defines a prior version to 0.5.10. Changing pragma version to 0.5.10....
```

```
Executable not found. Compiling it now. This might take some time...
```

```
.....
```

Long time running without results.

## 25. send\_loop.sol

```
(securifyvenv)
```

```
profganeshteam@SmartContract:~/Tools/FolderForSecurifyVerTwo/securify2$ securify
```

```
/home/profganeshteam/Tools/FlattenedContracts/send_loop.sol
```

```
pragma directive defines a prior version to 0.5.10. Changing pragma version to 0.5.10....
```

```
Traceback (most recent call last):
```

```
File
```

```
"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securifyvenv/bin/securify",
```

```
line 11, in <module>
```

```
load_entry_point('securify', 'console_scripts', 'securify')()
```

```
File "/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/__main__.py",
```

```
line 277, in main
```

```
matches.extend(pattern.find_matches())
```

```
File
```

```
"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/securify/analyses/patterns/a
```

```
st/too_many_digits_pattern.py", line 17, in find_matches
```

```

    ast_root = self.get_ast_root()
File
"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/secrify/analyses/patterns/a
st/abstract_ast_pattern.py", line 18, in get_ast_root
    ast_root = self.analysis_context.ast
File
"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/secrify/analyses/analysis.py
", line 74, in ast
    self._ast = self.config.ast_compiler(self)
File "/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/secrify/__main__.py",
line 253, in <lambda>
    ast_compiler=lambda t: solidity_ast_compiler.compile_ast(t.source_file),
File
"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/secrify/solidity/solidity_ast_
compiler.py", line 31, in compile_ast
    compile_output = compile_standard(compile_input, allow_paths='/')
File
"/home/profganeshteam/Tools/FolderForSecurifyVerTwo/securify2/secrifyenv/lib/python3.7/s
ite-packages/solc/main.py", line 181, in compile_standard
    message=error_message,
solc.exceptions.SolcError: fixed_pragma.sol:13:30: SyntaxError: This looks like an address but has
an      invalid      checksum.      Correct      checksummed      address:
"0x79B483371E87d664cd39491b5f06250165e4b185". If this is not used as an address, please
prepend      '00'.      For      more      information      please      see
https://solidity.readthedocs.io/en/develop/types.html#address-literals
    refundAddresses.push(0x79B483371E87d664cd39491b5F06250165e4b185);
                        ^-----^

```

fixed\_pragma.sol:19:21: TypeError: "send" and "transfer" are only available for objects of type "address payable", not "address".

```

    require(refundAddresses[x].send(refunds[refundAddresses[x]])); // doubly bad,
now a single failure on send will hold up all funds
    ^-----^

```

```

> command: `solc --allow-paths / --standard-json`
> return code: `0`
> stderr:
{"errors":[{"component":"general","formattedMessage":"fixed_pragma.sol:13:30:
SyntaxError: This looks like an address but has an invalid checksum. Correct checksummed
address: \"0x79B483371E87d664cd39491b5f06250165e4b185\". If this is not used as an address,
please      prepend      '00'.      For      more      information      please      see
https://solidity.readthedocs.io/en/develop/types.html#address-literals\n
refundAddresses.push(0x79B483371E87d664cd39491b5F06250165e4b185);\n
^-----^\n","message":"This looks like an address but has an invalid

```

```

checksum.          Correct          checksummed          address:
\ "0x79B483371E87d664cd39491b5f06250165e4b185\ ". If this is not used as an address, please
prepend          '00'.          For          more          information          please          see
https://solidity.readthedocs.io/en/develop/types.html#address-literals", "severity": "error", "sourceLocation": {"end": 334, "file": "fixed_pragma.sol", "start": 292}, {"type": "SyntaxError"}, {"component": "general", "formattedMessage": "fixed_pragma.sol:19:21: TypeError: \"send\" and \"transfer\" are only available for objects of type \"address payable\", not \"address\".\nrequire(refundAddresses[x].send(refunds[refundAddresses[x]])); // doubly bad, now a single failure on send will hold up all funds\n^-----^\n", "message": "\"send\" and \"transfer\" are only available for objects of type \"address payable\", not \"address\".", "severity": "error", "sourceLocation": {"end": 558, "file": "fixed_pragma.sol", "start": 535}, {"type": "TypeError"}], "sources": {}}

```

> stdout: