1. Proxy.sol

```
manticore /home/profganeshteam/Tools/FlattenedContracts/Proxy.sol
profganeshteam@SmartContract:~/Tools/FolderForManticore/ResultsForFlattenedContracts$ ma
nticore /home/profganeshteam/Tools/FlattenedContracts/Proxy.sol
2020-01-20 02:50:07,438: [47360] m.main:INFO: Registered plugins: DetectUnusedRetVal,
                    DetectSuicidal,
DetectInvalid.
                                         DetectDelegatecall,
                                                                  DetectExternalCallAndLeak,
DetectEnvInstruction,
                                DetectIntegerOverflow,
                                                                   DetectUninitializedStorage,
DetectManipulableBalance,
                                  DetectUninitializedMemory,
                                                                    DetectReentrancySimple,
DetectReentrancyAdvanced, <class 'manticore.ethereum.plugins.KeepOnlyIfStorageChanges'>
2020-01-20 02:50:07,439: [47360] m.main:INFO: Beginning analysis
2020-01-20 02:50:07,442: [47360] m.e.manticore:INFO: Starting symbolic create contract
2020-01-20 02:50:13,150: [47451] m.e.detectors:WARNING: Potentially reading uninitialized
memory at instruction (address: 1229884253799451225025953330486468072706417820521,
offset 352)
2020-01-20 02:50:13,268: [47451] m.e.detectors:WARNING: Delegatecall to user controlled
2020-01-20 02:50:13,313: [47451] m.e.detectors:WARNING: Delegatecall to user controlled
function
2020-01-20
              02:50:13,477:
                               [47452]
                                          m.c.worker:ERROR:
                                                                Exception
                                                                             in
                                                                                  state
                                                                                          2:
NotImplementedError(' bool for Bool',)
Traceback (most recent call last):
  File "/usr/local/lib/python3.6/dist-packages/manticore/core/worker.py", line 121, in run
    current_state.execute()
  File "/usr/local/lib/python3.6/dist-packages/manticore/ethereum/state.py", line 6, in execute
    return self._platform.execute()
  File "/usr/local/lib/python3.6/dist-packages/manticore/platforms/evm.py", line 2779, in
execute
    self._process_pending_transaction()
  File "/usr/local/lib/python3.6/dist-packages/manticore/platforms/evm.py", line 3035, in
process pending transaction
    self. close transaction("STOP")
  File "/usr/local/lib/python3.6/dist-packages/manticore/platforms/evm.py", line 2457, in
_close_transaction
    self._publish("did_close_transaction", tx)
  File "/usr/local/lib/python3.6/dist-packages/manticore/utils/event.py", line 146, in _publish
    self. publish impl( name, *args, **kwargs)
  File
         "/usr/local/lib/python3.6/dist-packages/manticore/utils/event.py",
                                                                            line
                                                                                   163,
                                                                                          in
_publish_impl
    sink._publish_impl(_name, *args, **kwargs)
         "/usr/local/lib/python3.6/dist-packages/manticore/utils/event.py",
                                                                            line
                                                                                   161,
                                                                                          in
publish impl
    sink._publish_impl(_name, self, *args, **kwargs)
         "/usr/local/lib/python3.6/dist-packages/manticore/utils/event.py",
                                                                            line
                                                                                   154.
                                                                                          in
```

```
_publish_impl
    callback(robj(), *args, **kwargs)
  File "/usr/local/lib/python3.6/dist-packages/manticore/ethereum/detectors.py", line 332, in
did close transaction callback
    if tx.gas > 2300:
  File "/usr/local/lib/python3.6/dist-packages/manticore/core/smtlib/expression.py", line 215, in
    raise NotImplementedError("__bool__ for Bool")
NotImplementedError: bool for Bool
 2020-01-20
               02:50:13,477:
                                [47455]
                                           m.c.worker:ERROR:
                                                                  Exception
                                                                                            4:
                                                                               in
                                                                                    state
NotImplementedError(' bool for Bool',)
Traceback (most recent call last):
  File "/usr/local/lib/python3.6/dist-packages/manticore/core/worker.py", line 121, in run
    current state.execute()
  File "/usr/local/lib/python3.6/dist-packages/manticore/ethereum/state.py", line 6, in execute
    return self. platform.execute()
  File "/usr/local/lib/python3.6/dist-packages/manticore/platforms/evm.py", line 2779, in
execute
    self._process_pending_transaction()
  File "/usr/local/lib/python3.6/dist-packages/manticore/platforms/evm.py", line 3035, in
process pending transaction
    self._close_transaction("STOP")
  File "/usr/local/lib/python3.6/dist-packages/manticore/platforms/evm.py", line 2457, in
_close_transaction
    self. publish("did close transaction", tx)
  File "/usr/local/lib/python3.6/dist-packages/manticore/utils/event.py", line 146, in publish
    self._publish_impl(_name, *args, **kwargs)
         "/usr/local/lib/python3.6/dist-packages/manticore/utils/event.py",
  File
                                                                              line
                                                                                     163,
                                                                                            in
_publish_impl
    sink. publish impl( name, *args, **kwargs)
         "/usr/local/lib/python3.6/dist-packages/manticore/utils/event.py",
                                                                              line
                                                                                     161,
                                                                                             in
publish impl
    sink._publish_impl(_name, self, *args, **kwargs)
         "/usr/local/lib/python3.6/dist-packages/manticore/utils/event.py",
                                                                                     154,
                                                                              line
                                                                                             in
_publish_impl
    callback(robj(), *args, **kwargs)
  File "/usr/local/lib/python3.6/dist-packages/manticore/ethereum/detectors.py", line 332, in
did_close_transaction_callback
    if tx.gas > 2300:
  File "/usr/local/lib/python3.6/dist-packages/manticore/core/smtlib/expression.py", line 215, in
    raise NotImplementedError(" bool for Bool")
NotImplementedError: bool for Bool
```

```
NotImplementedError('__bool__ for Bool',)
Traceback (most recent call last):
  File "/usr/local/lib/python3.6/dist-packages/manticore/core/worker.py", line 121, in run
    current_state.execute()
  File "/usr/local/lib/python3.6/dist-packages/manticore/ethereum/state.py", line 6, in execute
    return self._platform.execute()
  File "/usr/local/lib/python3.6/dist-packages/manticore/platforms/evm.py", line 2779, in
execute
    self. process pending transaction()
  File "/usr/local/lib/python3.6/dist-packages/manticore/platforms/evm.py", line 3035, in
_process_pending_transaction
    self. close transaction("STOP")
  File "/usr/local/lib/python3.6/dist-packages/manticore/platforms/evm.py", line 2457, in
close transaction
    self._publish("did_close_transaction", tx)
  File "/usr/local/lib/python3.6/dist-packages/manticore/utils/event.py", line 146, in _publish
    self._publish_impl(_name, *args, **kwargs)
         "/usr/local/lib/python3.6/dist-packages/manticore/utils/event.py",
  File
                                                                              line
                                                                                     163,
                                                                                             in
publish impl
    sink._publish_impl(_name, *args, **kwargs)
  File
         "/usr/local/lib/python3.6/dist-packages/manticore/utils/event.py",
                                                                              line
                                                                                      161,
                                                                                             in
_publish_impl
    sink. publish impl( name, self, *args, **kwargs)
         "/usr/local/lib/python3.6/dist-packages/manticore/utils/event.py",
  File
                                                                              line
                                                                                     154,
                                                                                             in
_publish_impl
    callback(robj(), *args, **kwargs)
  File "/usr/local/lib/python3.6/dist-packages/manticore/ethereum/detectors.py", line 332, in
did_close_transaction_callback
    if tx.gas > 2300:
  File "/usr/local/lib/python3.6/dist-packages/manticore/core/smtlib/expression.py", line 215, in
bool
    raise NotImplementedError("__bool__ for Bool")
NotImplementedError: __bool__ for Bool
2020-01-20
              02:50:13,630:
                                [47456]
                                           m.c.worker:ERROR:
                                                                  Exception
                                                                               in
                                                                                     state
                                                                                             5:
NotImplementedError('__bool__ for Bool',)
Traceback (most recent call last):
  File "/usr/local/lib/python3.6/dist-packages/manticore/core/worker.py", line 121, in run
    current_state.execute()
  File "/usr/local/lib/python3.6/dist-packages/manticore/ethereum/state.py", line 6, in execute
    return self._platform.execute()
  File "/usr/local/lib/python3.6/dist-packages/manticore/platforms/evm.py", line 2779, in
```

2020-01-20

02:50:13.551:

[47454]

m.c.worker:ERROR:

Exception

state

3:

```
execute
    self._process_pending_transaction()
  File "/usr/local/lib/python3.6/dist-packages/manticore/platforms/evm.py", line 3035, in
process pending transaction
    self. close transaction("STOP")
  File "/usr/local/lib/python3.6/dist-packages/manticore/platforms/evm.py", line 2457, in
close transaction
    self._publish("did_close_transaction", tx)
  File "/usr/local/lib/python3.6/dist-packages/manticore/utils/event.py", line 146, in publish
    self._publish_impl(_name, *args, **kwargs)
  File
         "/usr/local/lib/python3.6/dist-packages/manticore/utils/event.py",
                                                                              line
                                                                                     163,
                                                                                             in
_publish_impl
    sink._publish_impl(_name, *args, **kwargs)
         "/usr/local/lib/python3.6/dist-packages/manticore/utils/event.py",
                                                                              line
                                                                                     161,
                                                                                             in
_publish_impl
    sink. publish impl( name, self, *args, **kwargs)
         "/usr/local/lib/python3.6/dist-packages/manticore/utils/event.py",
  File
                                                                                     154,
                                                                              line
                                                                                             in
_publish_impl
    callback(robj(), *args, **kwargs)
  File "/usr/local/lib/python3.6/dist-packages/manticore/ethereum/detectors.py", line 332, in
did close transaction callback
    if tx.gas > 2300:
  File "/usr/local/lib/python3.6/dist-packages/manticore/core/smtlib/expression.py", line 215, in
__bool__
    raise NotImplementedError(" bool for Bool")
NotImplementedError: __bool__ for Bool
2020-01-20
              02:50:13,705:
                                [47450]
                                           m.c.worker:ERROR:
                                                                 Exception
                                                                               in
                                                                                    state
                                                                                             0:
NotImplementedError('__bool__ for Bool',)
Traceback (most recent call last):
  File "/usr/local/lib/python3.6/dist-packages/manticore/core/worker.py", line 121, in run
    current state.execute()
  File "/usr/local/lib/python3.6/dist-packages/manticore/ethereum/state.py", line 6, in execute
    return self._platform.execute()
  File "/usr/local/lib/python3.6/dist-packages/manticore/platforms/evm.py", line 2779, in
execute
    self. process pending transaction()
  File "/usr/local/lib/python3.6/dist-packages/manticore/platforms/evm.py", line 3035, in
_process_pending_transaction
    self._close_transaction("STOP")
  File "/usr/local/lib/python3.6/dist-packages/manticore/platforms/evm.py", line 2457, in
close transaction
    self._publish("did_close_transaction", tx)
  File "/usr/local/lib/python3.6/dist-packages/manticore/utils/event.py", line 146, in _publish
```

```
self._publish_impl(_name, *args, **kwargs)
  File
         "/usr/local/lib/python3.6/dist-packages/manticore/utils/event.py",
                                                                               line
                                                                                      163.
                                                                                              in
_publish_impl
    sink. publish impl( name, *args, **kwargs)
         "/usr/local/lib/python3.6/dist-packages/manticore/utils/event.py",
                                                                               line
                                                                                      161,
                                                                                              in
_publish_impl
    sink. publish impl( name, self, *args, **kwargs)
         "/usr/local/lib/python3.6/dist-packages/manticore/utils/event.py",
                                                                               line
                                                                                      154,
                                                                                              in
_publish_impl
    callback(robj(), *args, **kwargs)
  File "/usr/local/lib/python3.6/dist-packages/manticore/ethereum/detectors.py", line 332, in
did_close_transaction_callback
    if tx.gas > 2300:
  File "/usr/local/lib/python3.6/dist-packages/manticore/core/smtlib/expression.py", line 215, in
__bool__
     raise NotImplementedError("__bool__ for Bool")
NotImplementedError: __bool__ for Bool
2020-01-20
               02:50:13,764:
                                [47457]
                                           m.c.worker:ERROR:
                                                                  Exception
                                                                               in
                                                                                     state
                                                                                              6:
NotImplementedError('__bool__ for Bool',)
Traceback (most recent call last):
  File "/usr/local/lib/python3.6/dist-packages/manticore/core/worker.py", line 121, in run
    current state.execute()
  File "/usr/local/lib/python3.6/dist-packages/manticore/ethereum/state.py", line 6, in execute
     return self. platform.execute()
  File "/usr/local/lib/python3.6/dist-packages/manticore/platforms/evm.py", line 2779, in
execute
    self._process_pending_transaction()
  File "/usr/local/lib/python3.6/dist-packages/manticore/platforms/evm.py", line 3035, in
process pending transaction
    self._close_transaction("STOP")
  File "/usr/local/lib/python3.6/dist-packages/manticore/platforms/evm.py", line 2457, in
_close_transaction
    self._publish("did_close_transaction", tx)
  File "/usr/local/lib/python3.6/dist-packages/manticore/utils/event.py", line 146, in _publish
    self._publish_impl(_name, *args, **kwargs)
         "/usr/local/lib/python3.6/dist-packages/manticore/utils/event.py",
  File
                                                                               line
                                                                                      163,
                                                                                              in
_publish_impl
    sink._publish_impl(_name, *args, **kwargs)
         "/usr/local/lib/python3.6/dist-packages/manticore/utils/event.py",
  File
                                                                               line
                                                                                      161,
                                                                                              in
publish impl
    sink. publish impl( name, self, *args, **kwargs)
         "/usr/local/lib/python3.6/dist-packages/manticore/utils/event.py",
                                                                               line
                                                                                      154,
                                                                                              in
_publish_impl
```

```
callback(robj(), *args, **kwargs)
  File "/usr/local/lib/python3.6/dist-packages/manticore/ethereum/detectors.py", line 332, in
did_close_transaction_callback
    if tx.gas > 2300:
  File "/usr/local/lib/python3.6/dist-packages/manticore/core/smtlib/expression.py", line 215, in
bool
    raise NotImplementedError("__bool__ for Bool")
NotImplementedError: __bool__ for Bool
2020-01-20
              02:50:13,809:
                               [47458]
                                           m.c.worker:ERROR:
                                                                 Exception
                                                                                             7:
                                                                               in
                                                                                    state
NotImplementedError(' bool for Bool',)
Traceback (most recent call last):
  File "/usr/local/lib/python3.6/dist-packages/manticore/core/worker.py", line 121, in run
    current state.execute()
  File "/usr/local/lib/python3.6/dist-packages/manticore/ethereum/state.py", line 6, in execute
    return self. platform.execute()
  File "/usr/local/lib/python3.6/dist-packages/manticore/platforms/evm.py", line 2779, in
execute
    self._process_pending_transaction()
  File "/usr/local/lib/python3.6/dist-packages/manticore/platforms/evm.py", line 3035, in
process pending transaction
    self._close_transaction("STOP")
  File "/usr/local/lib/python3.6/dist-packages/manticore/platforms/evm.py", line 2457, in
_close_transaction
    self. publish("did close transaction", tx)
  File "/usr/local/lib/python3.6/dist-packages/manticore/utils/event.py", line 146, in _publish
    self._publish_impl(_name, *args, **kwargs)
         "/usr/local/lib/python3.6/dist-packages/manticore/utils/event.py",
  File
                                                                              line
                                                                                     163,
                                                                                             in
_publish_impl
    sink. publish impl( name, *args, **kwargs)
         "/usr/local/lib/python3.6/dist-packages/manticore/utils/event.py",
                                                                              line
                                                                                     161,
                                                                                             in
publish impl
    sink._publish_impl(_name, self, *args, **kwargs)
         "/usr/local/lib/python3.6/dist-packages/manticore/utils/event.py",
                                                                              line
                                                                                     154,
                                                                                             in
_publish_impl
    callback(robj(), *args, **kwargs)
  File "/usr/local/lib/python3.6/dist-packages/manticore/ethereum/detectors.py", line 332, in
did_close_transaction_callback
    if tx.gas > 2300:
  File "/usr/local/lib/python3.6/dist-packages/manticore/core/smtlib/expression.py", line 215, in
    raise NotImplementedError(" bool for Bool")
NotImplementedError: bool for Bool
```

2020-01-20 02:50:13,872: [47360] m.e.manticore:INFO: Failed to compile contract [] 2020-01-20 02:50:13,873: [47360] m.e.manticore:INFO: Failed to create contract: exception in constructor 2020-01-20 02:50:14,072: [47360] m.c.manticore:INFO: Results in /home/profganeshteam/Tools/FolderForManticore/ResultsForFlattenedContracts/mcore_n1ahnj tx

2. RToken.sol

$manticore \quad /home/profganeshteam/Tools/FlattenedContracts/RToken.sol$

 $profganes hteam@SmartContract: \sim /Tools/FolderForManticore/ResultsForFlattenedContracts \$$ manticore /home/profganeshteam/Tools/FlattenedContracts/RToken.sol 2020-01-20 03:05:08.150: [49615] DetectReentrancySimple, m.main:INFO: Registered plugins: DetectIntegerOverflow, DetectReentrancyAdvanced, DetectSuicidal, DetectInvalid, DetectDelegatecall, DetectExternalCallAndLeak, DetectUnusedRetVal, 'manticore.ethereum.plugins.KeepOnlyIfStorageChanges'>, DetectEnvInstruction, DetectManipulableBalance, DetectUninitializedStorage, DetectUninitializedMemory 2020-01-20 03:05:08,150: [49615] m.main:INFO: Beginning analysis 2020-01-20 03:05:08,154: [49615] m.e.manticore:INFO: Starting symbolic create contract 2020-01-20 03:05:10,146: [49615] m.e.manticore:ERROR: Errors : Invalid solc compilation /home/profganeshteam/Tools/FlattenedContracts/RToken.sol:210:1: Warning: Experimental features are turned on. Do not use experimental features on live deployments. pragma experimental ABIEncoderV2; ^_____^ /home/profganeshteam/Tools/FlattenedContracts/RToken.sol:536:1: Error: Duplicate experimental feature name. pragma experimental ABIEncoderV2; /home/profganeshteam/Tools/FlattenedContracts/RToken.sol:946:1: Error: Duplicate experimental feature name. pragma experimental ABIEncoderV2; ^_____^

. Solidity failed to generate bytecode for your contract. Check if all the abstract functions are implemented. 2020-01-20 03:05:10,309: [49695] m.c.manticore:INFO: Generated testcase No. 0 - NO STATE RESULT (?)(0 txs)

 $2020-01-20 \qquad 03:05:10,357: \qquad [49615] \qquad \text{m.c.manticore:INFO:} \qquad \text{Results} \qquad \text{in /home/profganeshteam/Tools/FolderForManticore/ResultsForFlattenedContracts/mcore_yhzdobzg}$

3. MainframeStake.sol

manticore /home/profganeshteam/Tools/FlattenedContracts/MainframeStake.sol

profganeshteam@SmartContract:~/Tools/FolderForManticore/ResultsForFlattenedContr acts\$ manticore /home/profganeshteam/Tools/FlattenedContracts/MainframeStake.sol 2020-01-20 03:08:27,281: [50125] m.main:INFO: Registered plugins: DetectUninitia lizedMemory, DetectInvalid, DetectReentrancySimple, DetectReentrancyAdvanced, De tectIntegerOverflow, DetectUnusedRetVal, DetectSuicidal, DetectDelegatecall, Det ectExternalCallAndLeak, DetectEnvInstruction, <class 'manticore.ethereum.plugins .KeepOnlyIfStorageChanges'>,

```
DetectManipulableBalance, DetectUninitializedStorag
2020-01-20 03:08:27,282: [50125] m.main:INFO: Beginning analysis
2020-01-20 03:08:27,286: [50125] m.e.manticore:INFO: Starting symbolic create co
                                                                                        ntract
2020-01-20 03:08:28,684: [50125] m.e.manticore:ERROR: Errors : Invalid solc comp
                                                                                                     ilation
/home/profganeshteam/Tools/FlattenedContracts/MainframeStake.sol: 1061:1:\\
                                                                                   Error: Source file requires
different compiler version (current compiler is 0.5
                                                          .11+commit.22be8592.Linux.g++ - note that nightly
builds are considered to be st
                                    rictly less than the released version
pragma solidity ^0.4.21;
^____^
. Solidity failed to generate bytecode for your contract. Check if all the abstr
                                                                                           act functions are
implemented.
2020-01-20 03:08:28,849: [50207] m.c.manticore:INFO: Generated testcase No. 0 -
                                                                                                NO STATE
RESULT (?)(0 txs)
2020-01-20
               03:08:28,918:
                                  [50125]
                                              m.c.manticore:INFO:
                                                                       Results
                                                                                   in
                                                                                           /home/profganesh
team/Tools/FolderForManticore/ResultsForFlattenedContracts/mcore 3npjfmwd
4. tokensalechallenge.sol
manticore /home/profganeshteam/Tools/FlattenedContracts/tokensalechallenge.sol
profganeshteam@SmartContract:~/Tools/FolderForManticore/ResultsForFlattenedContracts$
                                                                                                  manticore
/home/profganeshteam/Tools/FlattenedContracts/tokensalechallenge.sol\\
2020-01-20 03:11:38,040: [50633] m.main:INFO: Registered
                                                                      plugins:
                                                                                 DetectReentrancyAdvanced,
                                                    DetectInvalid.
DetectUnusedRetVal.
                             DetectSuicidal,
                                                                          DetectDelegatecall,
                                                                                                      <class
'manticore.ethereum.plugins.KeepOnlyIfStorageChanges'>, DetectExternalCallAndLeak, DetectIntegerOverflow,
DetectEnvInstruction, DetectManipulableBalance, DetectUninitializedStorage, DetectUninitializedMemory,
DetectReentrancySimple
2020-01-20 03:11:38,041: [50633] m.main:INFO: Beginning analysis
2020-01-20 03:11:38,045: [50633] m.e.manticore:INFO: Starting symbolic create contract
2020-01-20 03:11:39,783: [50633] m.e.manticore:INFO: Starting symbolic transaction: 0
2020-01-20 03:16:10,158: [50981] m.c.worker: ERROR: Exception in state 9: SolverError ('Timeout',)
Traceback (most recent call last):
  File "/usr/local/lib/python3.6/dist-packages/manticore/core/worker.py", line 121, in run
    current state.execute()
  File "/usr/local/lib/python3.6/dist-packages/manticore/ethereum/state.py", line 6, in execute
    return self. platform.execute()
  File "/usr/local/lib/python3.6/dist-packages/manticore/platforms/evm.py", line 2783, in execute
    self.current vm.execute()
  File "/usr/local/lib/python3.6/dist-packages/manticore/platforms/evm.py", line 1237, in execute
    "Concretize PC", expression=expression, setstate=setstate, policy="ALL"
manticore.core.state.Concretize
During handling of the above exception, another exception occurred:
```

Traceback (most recent call last):

File "/usr/local/lib/python3.6/dist-packages/manticore/core/worker.py", line 142, in run m. fork(current state, exc.expression, exc.policy, exc.setstate)

File "/usr/local/lib/python3.6/dist-packages/manticore/core/manticore.py", line 338, in _fork solutions = state.concretize(expression, policy)

File "/usr/local/lib/python3.6/dist-packages/manticore/core/state.py", line 276, in concretize self._constraints, symbolic, maxcnt=maxcount, silent=True

File "/usr/local/lib/python3.6/dist-packages/manticore/core/smtlib/solver.py", line 464, in get_all_values raise SolverError("Timeout")

manticore.exceptions.SolverError: Timeout

5. StakeInterface.sol

manticore /home/profganeshteam/Tools/FlattenedContracts/StakeInterface.sol

profganeshteam@SmartContract:~/Tools/FolderForManticore/ResultsForFlattenedContracts\$ manticore/home/profganeshteam/Tools/FlattenedContracts/StakeInterface.sol

2020-01-20 03:27:41,857: [52321] m.main:INFO: Registered plugins: DetectReentrancyAdvanced, DetectUnusedRetVal, DetectSuicidal, DetectInvalid, DetectDelegatecall, DetectExternalCallAndLeak, DetectIntegerOverflow, DetectEnvInstruction, <class 'manticore.ethereum.plugins.KeepOnlyIfStorageChanges'>, DetectManipulableBalance, DetectUninitializedStorage, DetectUninitializedMemory, DetectReentrancySimple 2020-01-20 03:27:41,858: [52321] m.main:INFO: Beginning analysis

2020-01-20 03:27:41,862: [52321] m.e.manticore:INFO: Starting symbolic create contract

2020-01-20 03:27:44,756: [52321] m.e.manticore:ERROR: Errors : Invalid solc compilation /home/profganeshteam/Tools/FlattenedContracts/StakeInterface.sol:4:1: Error: Source file requires different compiler version (current compiler is 0.5.11+commit.22be8592.Linux.g++ - note that nightly builds are considered to be strictly less than the released version

pragma solidity ^0.4.21;

^____^

. Solidity failed to generate bytecode for your contract. Check if all the abstract functions are implemented. 2020-01-20 03:27:45,139: [52404] m.c.manticore:INFO: Generated testcase No. 0 - NO STATE RESULT (?)(0

txs)

2020-01-20 03:27:45,177: [52321] m.c.manticore:INFO: Results in /home/profganeshteam/Tools/FolderForManticore/ResultsForFlattenedContracts/mcore_lin3py18

6. RTokenStructs.sol

manticore /home/profganeshteam/Tools/FlattenedContracts/RTokenStructs.sol

profganeshteam@SmartContract:~/Tools/FolderForManticore/ResultsForFlattenedContracts\$ manticore/home/profganeshteam/Tools/FlattenedContracts/RTokenStructs.sol

2020-01-20 03:28:59,516: [52695] m.main:INFO: Registered plugins: DetectReentrancyAdvanced, DetectUnusedRetVal, DetectSuicidal, DetectInvalid, DetectDelegatecall, <class 'manticore.ethereum.plugins.KeepOnlyIfStorageChanges'>, DetectExternalCallAndLeak, DetectIntegerOverflow, DetectEnvInstruction, DetectManipulableBalance, DetectUninitializedStorage, DetectUninitializedMemory, DetectReentrancySimple

2020-01-20 03:28:59,516: [52695] m.main:INFO: Beginning analysis

2020-01-20 03:28:59,521: [52695] m.e.manticore:INFO: Starting symbolic create contract

```
2020-01-20 03:29:00,969: [52695] m.e.manticore:INFO: Starting symbolic transaction: 0
2020-01-20 03:29:01,407: [52695] m.e.manticore:INFO: 0 alive states, 2 terminated states
2020-01-20 03:29:01,458: [52695] m.e.manticore:INFO: Starting symbolic transaction: 1
2020-01-20 03:29:01,620: [53265] m.e.manticore:INFO: Generated testcase No. 0 - RETURN(1 txs)
2020-01-20 03:29:01,627: [53266] m.e.manticore:INFO: Generated testcase No. 1 - REVERT(2 txs)
2020-01-20 03:29:02,181: [52695] m.e.manticore:INFO: Results in
/home/profganeshteam/Tools/FolderForManticore/ResultsForFlattenedContracts/mcore izdkk84i
```

7. RTokenStorage.sol

manticore /home/profganeshteam/Tools/FlattenedContracts/RTokenStorage.sol

profganeshteam@SmartContract:~/Tools/FolderForManticore/ResultsForFlattenedContracts\$ manticore /home/profganeshteam/Tools/FlattenedContracts/RTokenStorage.sol2020-01-20 03:30:29,299: [53636] m.main:INFO: Registered plugins: DetectUnusedRetVal, DetectSuicidal, DetectUninitializedStorage, DetectDelegatecall, DetectInvalid, DetectExternalCallAndLeak, 'manticore.ethereum.plugins.KeepOnlyIfStorageChanges'>, DetectEnvInstruction, DetectUninitializedMemory, DetectIntegerOverflow, DetectManipulableBalance, DetectReentrancySimple, DetectReentrancyAdvanced 2020-01-20 03:30:29,299: [53636] m.main:INFO: Beginning analysis 2020-01-20 03:30:29,305: [53636] m.e.manticore:INFO: Starting symbolic create contract 2020-01-20 03:30:29,706: [53636] m.e.manticore:ERROR: Errors : Invalid solc compilation /home/profganeshteam/Tools/FlattenedContracts/RTokenStorage.sol:181:1: Warning: Experimental features are turned on. Do not use experimental features on live deployments. pragma experimental ABIEncoderV2; ^_____^ /home/profganeshteam/Tools/FlattenedContracts/RTokenStorage.sol:507:1: Error: Duplicate experimental feature name. pragma experimental ABIEncoderV2; ^_____^

. Solidity failed to generate bytecode for your contract. Check if all the abstract functions are implemented. 2020-01-20 03:30:29,848: [53712] m.c.manticore:INFO: Generated testcase No. 0 - NO STATE RESULT (?)(0 txs) 2020-01-20 03:30:29,900: [53636] m.c.manticore:INFO: Results in

8. ReentrancyGuard.sol

$manticore\ /home/profganeshteam/Tools/FlattenedContracts/ReentrancyGuard.sol$

/home/profganeshteam/Tools/FolderForManticore/ResultsForFlattenedContracts/mcore ijhem39z

profganeshteam@SmartContract:~/Tools/FolderForManticore/ResultsForFlattenedContracts\$ manticore /home/profganeshteam/Tools/FlattenedContracts/ReentrancyGuard.sol2020-01-20 03:31:39,327: [54002] m.main:INFO: Registered plugins: DetectReentrancySimple, DetectReentrancyAdvanced, DetectIntegerOverflow, <class 'manticore.ethereum.plugins.KeepOnlyIfStorageChanges'>, DetectSuicidal, DetectDelegatecall, DetectExternalCallAndLeak, DetectInvalid, DetectUnusedRetVal, DetectEnvInstruction, DetectManipulableBalance, DetectUninitializedStorage, DetectUninitializedMemory 2020-01-20 03:31:39,327: [54002] m.main:INFO: Beginning analysis

```
2020-01-20 03:31:39,332: [54002] m.e.manticore:INFO: Starting symbolic create contract
2020-01-20 03:31:39,441: [54002]
                                      m.e.manticore:ERROR: Errors : Invalid
                                                                                      solc
                                                                                             compilation
/home/profganeshteam/Tools/FlattenedContracts/ReentrancyGuard.sol:181:1: Warning: Experimental features are
turned on. Do not use experimental features on live deployments.
pragma experimental ABIEncoderV2;
/home/profganeshteam/Tools/FlattenedContracts/ReentrancyGuard.sol:507:1: Error: Duplicate experimental
feature name.
pragma experimental ABIEncoderV2;
^____^
. Solidity failed to generate bytecode for your contract. Check if all the abstract functions are implemented.
2020-01-20 03:31:39,571: [54078] m.c.manticore:INFO: Generated testcase No. 0 - NO STATE RESULT (?)(0
txs)
2020-01-20
                   03:31:39.618:
                                         [54002]
                                                          m.c.manticore:INFO:
                                                                                      Results
                                                                                                      in
/home/profganeshteam/Tools/FolderForManticore/ResultsForFlattenedContracts/mcore fnpgy4jy
9. Proxiable.sol
manticore /home/profganeshteam/Tools/FlattenedContracts/Proxiable.sol
profganeshteam@SmartContract:~/Tools/FolderForManticore/ResultsForFlattenedContracts$
                                                                                               manticore
/home/profganeshteam/Tools/FlattenedContracts/Proxiable.sol
2020-01-20 03:33:11,342: [54382] m.main:INFO:
                                                        Registered
                                                                    plugins:
                                                                               DetectUninitializedStorage,
DetectManipulableBalance, DetectUninitializedMemory, DetectReentrancySimple,
                                                                                   DetectInvalid, <class
'manticore.ethereum.plugins.KeepOnlyIfStorageChanges'>, DetectReentrancyAdvanced, DetectUnusedRetVal,
DetectIntegerOverflow, DetectSuicidal, DetectDelegatecall, DetectExternalCallAndLeak, DetectEnvInstruction
2020-01-20 03:33:11,342: [54382] m.main:INFO: Beginning analysis
2020-01-20 03:33:11,346: [54382] m.e.manticore:INFO: Starting symbolic create contract
2020-01-20 03:33:12,202: [54382] m.e.manticore:INFO: Starting symbolic transaction: 0
2020-01-20 03:33:13,098: [54382] m.e.manticore:INFO: 0 alive states, 4 terminated states
2020-01-20 03:33:13,222: [54382] m.e.manticore:INFO: Starting symbolic transaction: 1
2020-01-20 03:33:13,455: [55088] m.c.manticore:INFO: Generated testcase No. 0 - RETURN(1 txs)
2020-01-20 03:33:13,467: [55089] m.c.manticore:INFO: Generated testcase No. 1 - REVERT(2 txs)
2020-01-20 03:33:13,484: [55087] m.c.manticore:INFO: Generated testcase No. 2 - REVERT(2 txs)
2020-01-20 03:33:13,515: [55086] m.c.manticore:INFO: Generated testcase No. 3 - RETURN(2 txs)
2020-01-20
                   03:33:15,368:
                                         [54382]
                                                          m.c.manticore:INFO:
                                                                                      Results
                                                                                                      in
/home/profganeshteam/Tools/FolderForManticore/ResultsForFlattenedContracts/mcore cdoqs71u
10. Ownable.sol
```

manticore /home/profganeshteam/Tools/FlattenedContracts/Ownable.sol

profganeshteam@SmartContract:~/Tools/FolderForManticore/ResultsForFlattenedContracts\$ manticore /home/profganeshteam/Tools/FlattenedContracts/Ownable.sol 2020-01-20 03:36:41,955: [55674] m.main:INFO: Registered plugins: DetectUnusedRetVal, DetectInvalid, DetectSuicidal, DetectDelegatecall, DetectExternalCallAndLeak, <class 'manticore.ethereum.plugins.KeepOnlyIfStorageChanges'>, DetectEnvInstruction, DetectIntegerOverflow, DetectUninitializedStorage, DetectManipulableBalance, DetectUninitializedMemory, DetectReentrancySimple, DetectReentrancyAdvanced2020-01-20 03:36:41,956: [55674] m.main:INFO: Beginning analysis 2020-01-20 03:36:41,960: [55674] m.e.manticore:INFO: Starting symbolic create contract 2020-01-20 03:36:43,597: [55674] m.e.manticore:ERROR: Errors : Invalid solc compilation /home/profganeshteam/Tools/FlattenedContracts/Ownable.sol:181:1: Warning: Experimental features are turned on. Do not use experimental features on live deployments. pragma experimental ABIEncoderV2; ^____^ /home/profganeshteam/Tools/FlattenedContracts/Ownable.sol:507:1: Error: Duplicate experimental feature name. pragma experimental ABIEncoderV2; . Solidity failed to generate bytecode for your contract. Check if all the abstract functions are implemented. 2020-01-20 03:36:43,744: [55751] m.c.manticore:INFO: Generated testcase No. 0 - NO STATE RESULT (?)(0 txs) 2020-01-20 03:36:43,795: [55674] m.c.manticore:INFO: Results in /home/profganeshteam/Tools/FolderForManticore/ResultsForFlattenedContracts/mcore 5eba036y 11. modifier reentrancy.sol manticore /home/profganeshteam/Tools/FlattenedContracts/modifier reentrancy.sol profganeshteam@SmartContract:~/Tools/FolderForManticore/ResultsForFlattenedContracts\$ manticore /home/profganeshteam/Tools/FlattenedContracts/modifier_reentrancy.sol --contract ModifierEntrancy 03:40:22,913: [56497] m.main:INFO: Registered plugins: DetectUninitializedStorage, DetectManipulableBalance, DetectUninitializedMemory, DetectReentrancySimple, DetectReentrancyAdvanced, DetectUnusedRetVal, DetectSuicidal, <class 'manticore.ethereum.plugins.KeepOnlyIfStorageChanges'>, DetectDelegatecall, DetectExternalCallAndLeak, DetectInvalid, DetectEnvInstruction, DetectIntegerOverflow 2020-01-20 03:40:22,913: [56497] m.main:INFO: Beginning analysis 2020-01-20 03:40:22,917: [56497] m.e.manticore:INFO: Starting symbolic create contract 2020-01-20 03:40:24,965: [56497] m.e.manticore:INFO: Starting symbolic transaction: 0 2020-01-20 03:40:27,651: [56832] m.e.manticore:INFO: Found globalsha3 59737568673683392770751158996517999801454553952809299701984830306477945186428 2020-01-20 03:47:04,606: [56837] m.c.worker:ERROR: Exception in state 6: SolverError('Timeout',) Traceback (most recent call last): File "/usr/local/lib/python3.6/dist-packages/manticore/core/worker.py", line 121, in run current state.execute() File "/usr/local/lib/python3.6/dist-packages/manticore/ethereum/state.py", line 6, in execute return self. platform.execute() File "/usr/local/lib/python3.6/dist-packages/manticore/platforms/evm.py", line 2783, in execute self.current vm.execute()

File "/usr/local/lib/python3.6/dist-packages/manticore/platforms/evm.py", line 1242, in execute

```
result = self._handler(*arguments)
  File "/usr/local/lib/python3.6/dist-packages/manticore/platforms/evm.py", line 1115, in handler
    return implementation(*arguments)
  File "/usr/local/lib/python3.6/dist-packages/manticore/platforms/evm.py", line 571, in wrapper
    return func(*args, **kwargs)
  File "/usr/local/lib/python3.6/dist-packages/manticore/platforms/evm.py", line 1594, in SHA3
    return self.world.symbolic function(globalsha3, data)
  File "/usr/local/lib/python3.6/dist-packages/manticore/platforms/evm.py", line 2348, in symbolic_function
    data = self.try simplify to constant(data)
  File
            "/usr/local/lib/python3.6/dist-packages/manticore/platforms/evm.py",
                                                                                 line
                                                                                           2334,
                                                                                                       in
try simplify to constant
    self.constraints, simplified, 2, silent=True
  File "/usr/local/lib/python3.6/dist-packages/manticore/core/smtlib/solver.py", line 464, in get_all_values
    raise SolverError("Timeout")
manticore.exceptions.SolverError: Timeout
manticore /home/profganeshteam/Tools/FlattenedContracts/modifier reentrancy.sol --contract Bank
profganeshteam@SmartContract:~/Tools/FolderForManticore/ResultsForFlattenedContracts$
                                                                                                manticore
/home/profganeshteam/Tools/FlattenedContracts/modifier_reentrancy.sol --contract Bank
2020-01-20
              03:54:06,399:
                              [58130]
                                         m.main:INFO:
                                                           Registered
                                                                                   DetectIntegerOverflow,
                                                                        plugins:
DetectUninitializedStorage,
                                 DetectUninitializedMemory,
                                                                    DetectReentrancySimple,
'manticore.ethereum.plugins.KeepOnlyIfStorageChanges'>,
                                                                               DetectReentrancyAdvanced,
DetectManipulableBalance,
                                  DetectUnusedRetVal,
                                                                DetectDelegatecall,
                                                                                           DetectSuicidal,
DetectExternalCallAndLeak, DetectEnvInstruction, DetectInvalid
2020-01-20 03:54:06,399: [58130] m.main:INFO: Beginning analysis
2020-01-20 03:54:06,404: [58130] m.e.manticore:INFO: Starting symbolic create contract
2020-01-20 03:54:10,389: [58130] m.e.manticore:INFO: Starting symbolic transaction: 0
2020-01-20 03:54:11,473: [58485] m.e.manticore:INFO: Found a concrete globalsha3 b'Nu Token' ->
2020-01-20 03:54:11,685: [58130] m.e.manticore:INFO: 0 alive states, 4 terminated states
2020-01-20 03:54:11,839: [58130] m.e.manticore:INFO: Starting symbolic transaction: 1
2020-01-20 03:54:12,133: [58923] m.c.manticore:INFO: Generated testcase No. 0 - RETURN(1 txs)
2020-01-20 03:54:12,144: [58924] m.c.manticore:INFO: Generated testcase No. 1 - REVERT(2 txs)
2020-01-20 03:54:12,161: [58921] m.c.manticore:INFO: Generated testcase No. 2 - REVERT(2 txs)
2020-01-20 03:54:12,198: [58927] m.c.manticore:INFO: Generated testcase No. 3 - RETURN(2 txs)
2020-01-20
                   03:54:14,305:
                                         [58130]
                                                          m.c.manticore:INFO:
                                                                                       Results
                                                                                                       in
/home/profganeshteam/Tools/FolderForManticore/ResultsForFlattenedContracts/mcore t5w78 8m
12. MainframeTokenDistribution.sol
```

manticore /home/profganeshteam/Tools/FlattenedContracts/MainframeTokenDistribution.sol profganeshteam@SmartContract:~/Tools/FolderForManticore/ResultsForFlattenedContracts\$ manticor e /home/profganeshteam/Tools/FlattenedContracts/MainframeTokenDistribution.sol 2020-01-20 04:05:48,420: [60530] m.main:INFO: Registered plugins: DetectReentrancyAdvanced, DetectUnusedRetVal, DetectSuicidal, DetectInvalid, DetectDelegatecall, DetectExternalCallAndLeak, DetectIntegerOverflow, DetectEnvInstruction, DetectManipulableBalance, DetectUninitializedStorage,

DetectUninitializedMemory,

DetectReentrancySimple,

<class

'manticore.ethereum.plugins.KeepOnlyIfStorageChanges'>

2020-01-20 04:05:48,420: [60530] m.main:INFO: Beginning analysis

2020-01-20 04:05:48,425: [60530] m.e.manticore:INFO: Starting symbolic create contract

2020-01-20 04:05:50,455: [60530] m.e.manticore:ERROR: Errors : Invalid solc compilation /home/profganeshteam/Tools/FlattenedContracts/MainframeTokenDistribution.sol:1061:1: Error: Source file requires different compiler version (current compiler is 0.5.11+commit.22be8592.Linux.g++ - note that nightly builds are considered to be strictly less than the released version

pragma solidity $^{\circ}0.4.21;$

^_____^

. Solidity failed to generate bytecode for your contract. Check if all the abstract functions are implemented.

2020-01-20 04:05:50,796: [60614] m.c.manticore:INFO: Generated testcase No. 0 - NO STATE RESULT (?)(0 txs)

2020-01-20 04:05:50,833: [60530] m.c.manticore:INFO: Results in /home/profganeshteam/Tools/FolderForManticore/ResultsForFlattenedContracts/mcore f2p9ujh4

13. MainframeToken.sol

manticore /home/profganeshteam/Tools/FlattenedContracts/MainframeToken.sol

profganeshteam@SmartContract:~/Tools/FolderForManticore/ResultsForFlattenedContracts\$ manticor e /home/profganeshteam/Tools/FlattenedContracts/MainframeToken.sol

2020-01-20 04:07:26,349: [60936] m.main:INFO: Registered plugins: DetectUnusedRetVal, DetectDelegatecall, DetectExternalCallAndLeak, DetectEnvInstruction, DetectManipulableBalance, DetectIntegerOverflow, DetectUninitializedStorage, DetectInvalid, DetectSuicidal, DetectUninitializedMemory, DetectReentrancySimple, <class

'manticore.ethereum.plugins.KeepOnlyIfStorageChanges'>, DetectReentrancyAdvanced

2020-01-20 04:07:26,349: [60936] m.main:INFO: Beginning analysis

2020-01-20 04:07:26,353: [60936] m.e.manticore:INFO: Starting symbolic create contract

2020-01-20 04:07:27,636: [60936] m.e.manticore:ERROR: Errors : Invalid solc compilation /home/profganeshteam/Tools/FlattenedContracts/MainframeToken.sol:507:1: Error: Source file requires different compiler version (current compiler is 0.5.11+commit.22be8592.Linux.g++ - note that nightly builds are considered to be strictly less than the released version

pragma solidity ^0.4.6;

^____^

. Solidity failed to generate bytecode for your contract. Check if all the abstract functions are implemented.

2020-01-20 04:07:27,874: [61016] m.c.manticore:INFO: Generated testcase No. 0 - NO STATE RESULT (?)(0 txs)

2020-01-20 04:07:27,912: [60936] m.c.manticore:INFO: Results in /home/profganeshteam/Tools/FolderForManticore/ResultsForFlattenedContracts/mcore_3seg_e_b

14. Lockdrop.sol

will evm execute instruction callback

```
manticore /home/profganeshteam/Tools/FlattenedContracts/Lockdrop.sol --contract Lock
profganeshteam@SmartContract:~/Tools/FolderForManticore/ResultsForFlattenedContracts$
                                                                                                 manticore
/home/profganeshteam/Tools/FlattenedContracts/Lockdrop.sol --contract Lock
2020-01-20 04:09:16,752: [61332] m.main:INFO: Registered plugins: DetectUninitializedStorage, <class
'manticore.ethereum.plugins.KeepOnlyIfStorageChanges'>, DetectUninitializedMemory, DetectEnvInstruction,
DetectUnusedRetVal, DetectSuicidal, DetectReentrancySimple, DetectReentrancyAdvanced, DetectDelegatecall,
2020-01-20 04:09:16,753: [61332] m.main:INFO: Beginning analysis
2020-01-20 04:09:16,757: [61332] m.e.manticore:INFO: Starting symbolic create contract
2020-01-20 04:09:19,798: [61332] m.e.manticore:INFO: Starting symbolic transaction: 0
2020-01-20 04:09:20,240: [61761] m.e.detectors: WARNING: Warning TIMESTAMP instruction used
2020-01-20 04:09:20,581: [61767] m.e.detectors: WARNING: Reachable ether leak to sender via argument
2020-01-20 04:09:21,417: [61776] m.e.detectors:WARNING: Warning TIMESTAMP instruction used
2020-01-20 04:09:21,696: [61763] m.e.detectors:WARNING: Reachable ether leak to sender via argument
2020-01-20 04:09:22,140: [61767] m.e.detectors:WARNING: Warning TIMESTAMP instruction used
2020-01-20 04:09:22,429: [61776] m.e.detectors:WARNING: Reachable ether leak to sender via argument
2020-01-20 04:09:22,942: [61765] m.e.detectors:WARNING: Warning TIMESTAMP instruction used
2020-01-20 04:09:23,264: [61761] m.e.detectors:WARNING: Reachable ether leak to sender via argument
2020-01-20 04:09:24,154: [61763] m.e.detectors:WARNING: Warning TIMESTAMP instruction used
^C2020-01-20 04:15:06,586: [61766] m.c.worker:ERROR: Exception in state 4: SolverError(",)
Traceback (most recent call last):
  File "/usr/local/lib/python3.6/dist-packages/manticore/core/worker.py", line 121, in run
    current state.execute()
  File "/usr/local/lib/python3.6/dist-packages/manticore/ethereum/state.py", line 6, in execute
    return self. platform.execute()
  File "/usr/local/lib/python3.6/dist-packages/manticore/platforms/evm.py", line 2783, in execute
    self.current vm.execute()
  File "/usr/local/lib/python3.6/dist-packages/manticore/platforms/evm.py", line 1241, in execute
    last pc, last gas, instruction, arguments, fee, allocated = self. checkpoint()
  File "/usr/local/lib/python3.6/dist-packages/manticore/platforms/evm.py", line 1125, in checkpoint
    "will_evm_execute_instruction", self.instruction, self._top_arguments()
  File "/usr/local/lib/python3.6/dist-packages/manticore/utils/event.py", line 146, in publish
    self. publish impl( name, *args, **kwargs)
  File "/usr/local/lib/python3.6/dist-packages/manticore/utils/event.py", line 163, in publish impl
    sink. publish impl( name, *args, **kwargs)
  File "/usr/local/lib/python3.6/dist-packages/manticore/utils/event.py", line 163, in publish impl
    sink. publish impl( name, *args, **kwargs)
  File "/usr/local/lib/python3.6/dist-packages/manticore/utils/event.py", line 161, in publish impl
    sink. publish impl( name, self, *args, **kwargs)
  File "/usr/local/lib/python3.6/dist-packages/manticore/utils/event.py", line 154, in _publish_impl
    callback(robj(), *args, **kwargs)
           "/usr/local/lib/python3.6/dist-packages/manticore/ethereum/detectors.py",
  File
                                                                                     line
                                                                                               264.
                                                                                                        in
```

```
if not state.can_be_true(is_enough_gas):
  File "/usr/local/lib/python3.6/dist-packages/manticore/core/state.py", line 302, in can be true
    return self. solver.can be true(self. constraints, expr)
  File "/usr/local/lib/python3.6/dist-packages/manticore/core/smtlib/solver.py", line 409, in can be true
    return self. is sat()
  File "/usr/local/lib/python3.6/dist-packages/manticore/core/smtlib/solver.py", line 341, in is sat
    raise SolverError(status)
manticore.exceptions.SolverError
2020-01-20 04:15:07,156: [61332] m.e.manticore:INFO: 3 alive states, 2 terminated states
2020-01-20 04:15:08,747: [62622] m.c.manticore:INFO: Generated testcase No. 0 - STOP(2 txs)
2020-01-20 04:15:08,756: [62621] m.c.manticore:INFO: Generated testcase No. 1 - STOP(2 txs)
2020-01-20 04:15:08,788: [62619] m.c.manticore:INFO: Generated testcase No. 2 - STOP(2 txs)
2020-01-20 04:15:08,813: [62620] m.c.manticore:INFO: Generated testcase No. 4 - REVERT(2 txs)
2020-01-20 04:15:08,801: [62623] m.c.manticore:INFO: Generated testcase No. 3 - RETURN(1 txs)
2020-01-20
                    04:15:12,852:
                                          [61332]
                                                           m.c.manticore:INFO:
                                                                                         Results
                                                                                                         in
/home/profganeshteam/Tools/FolderForManticore/ResultsForFlattenedContracts/mcore 4fu nnnt
profganeshteam@SmartContract:~/Tools/FolderForManticore/ResultsForFlattenedContracts$
                                                                                                 manticore
/home/profganeshteam/Tools/FlattenedContracts/Lockdrop.sol --contract Lockdrop
2020-01-20
              04:16:09,269:
                                [63126]
                                           m.main:INFO:
                                                             Registered
                                                                           plugins:
                                                                                       DetectEnvInstruction,
DetectManipulableBalance, DetectUninitializedMemory, DetectReentrancySimple, DetectReentrancyAdvanced,
DetectUnusedRetVal,
                        <class
                                 'manticore.ethereum.plugins.KeepOnlyIfStorageChanges'>,
                                                                                             DetectSuicidal,
DetectUninitializedStorage,
                                 DetectInvalid,
                                                      DetectDelegatecall,
                                                                                DetectExternalCallAndLeak,
DetectIntegerOverflow
2020-01-20 04:16:09,269: [63126] m.main:INFO: Beginning analysis
2020-01-20 04:16:09,273: [63126] m.e.manticore:INFO: Starting symbolic create contract
2020-01-20 04:16:19,870: [63222] m.e.detectors:WARNING: Unsigned integer overflow at ADD instruction
2020-01-20 04:16:24,761: [63126] m.e.manticore:INFO: Starting symbolic transaction: 0
15. LibraryLock.sol
manticore /home/profganeshteam/Tools/FlattenedContracts/LibraryLock.sol --contract LibraryLock
e /home/profganeshteam/Tools/FlattenedContracts/LibraryLock.sol --contract LibraryLock
```

profganeshteam@SmartContract:~/Tools/FolderForManticore/ResultsForFlattenedContracts\$ manticor 2020-01-20 04:28:55,178: [64467] m.main:INFO: Registered plugins: DetectUninitializedMemory, DetectReentrancySimple, <class 'manticore.ethereum.plugins.KeepOnlyIfStorageChanges'>, DetectReentrancyAdvanced, DetectInvalid, DetectUnusedRetVal, DetectSuicidal, DetectIntegerOverflow, DetectDelegatecall, DetectExternalCallAndLeak, DetectEnvInstruction, DetectManipulableBalance, DetectUninitializedStorage 2020-01-20 04:28:55,179: [64467] m.main:INFO: Beginning analysis 2020-01-20 04:28:55,183: [64467] m.e.manticore:INFO: Starting symbolic create contract 2020-01-20 04:28:57,193: [64467] m.e.manticore:ERROR: Errors : Invalid solc compilation Experimental /home/profganeshteam/Tools/FlattenedContracts/LibraryLock.sol:181:1: Warning: features are turned on. Do not use experimental features on live deployments. pragma experimental ABIEncoderV2;

^____^
/home/profganeshteam/Tools/FlattenedContracts/LibraryLock.sol:507:1: Error: Duplicate experimental feature name.
pragma experimental ABIEncoderV2;
^____^

. Solidity failed to generate bytecode for your contract. Check if all the abstract functions are implemented.

2020-01-20 04:28:57,656: [64549] m.c.manticore:INFO: Generated testcase No. 0 - NO STATE RESULT (?)(0 txs)

2020-01-20 04:28:57,702: [64467] m.c.manticore:INFO: Results in /home/profganeshteam/Tools/FolderForManticore/ResultsForFlattenedContracts/mcore d32tu7u7

16. IRTokenAdmin.sol

manticore /home/profganeshteam/Tools/FlattenedContracts/IRTokenAdmin.sol

 $profganes hteam@SmartContract: \sim /Tools/FolderForManticore/ResultsForFlattenedContracts \$ manticore / home/profganeshteam/Tools/FlattenedContracts/IRTokenAdmin.sol$

2020-01-20 04:29:30,483: [64787] m.main:INFO: Registered plugins: DetectReentrancyAdvanced, DetectUnusedRetVal, DetectSuicidal, DetectInvalid, DetectDelegatecall, DetectExternalCallAndLeak, DetectIntegerOverflow, DetectEnvInstruction, Class

'manticore.ethereum.plugins.KeepOnlyIfStorageChanges'>, DetectManipulableBalance,

DetectUninitializedStorage, DetectUninitializedMemory, DetectReentrancySimple

2020-01-20 04:29:30,483: [64787] m.main:INFO: Beginning analysis

2020-01-20 04:29:30,487: [64787] m.e.manticore:INFO: Starting symbolic create contract

2020-01-20 04:29:31,779: [64787] m.e.manticore:ERROR: An initialization bytecode is needed for a CREATE

2020-01-20 04:29:31,935: [64865] m.c.manticore:INFO: Generated testcase No. 0 - NO STATE RESULT (?)(0 txs)

2020-01-20 04:29:31,985: [64787] m.c.manticore:INFO: Results in /home/profganeshteam/Tools/FolderForManticore/ResultsForFlattenedContracts/mcore m5xrmzpn

17. IRToken.sol

manticore /home/profganeshteam/Tools/FlattenedContracts/IRToken.sol --contract IRToken

profganeshteam@SmartContract:~/Tools/FolderForManticore/ResultsForFlattenedConacts\$ manticore/home/profganeshteam/Tools/FlattenedContracts/IRToken.sol --contract IRToken

2020-01-20 04:31:46,239: [65504] m.main:INFO: Registered plugins: DetectUninitlizedStorage,
DetectManipulableBalance, DetectUninitializedMemory, <class

'mancore.ethereum.plugins.KeepOnlyIfStorageChanges'>, DetectReentrancySimple, DeteReentrancyAdvanced, DetectUnusedRetVal, DetectSuicidal, DetectDelegatecall, DetcInvalid, DetectEnvInstruction,

DetectIntegerOverflow, DetectExternalCallAndLk

2020-01-20 04:31:46,240: [65504] m.main:INFO: Beginning analysis

2020-01-20 04:31:46,244: [65504] m.e.manticore:INFO: Starting symbolic create ntract

2020-01-20 04:31:47,001: [65504] m.e.manticore:ERROR: An initialization byteco is needed for a CREATE

2020-01-20 04:31:47,139: [65582] m.c.manticore:INFO: Generated testcase No. 0 NO STATE RESULT (?)(0 txs)

2020-01-20 04:31:47,190: [65504] m.c.manticore:INFO: Results in /home/profganeteam/Tools/FolderForManticore/ResultsForFlattenedContracts/mcore 3u6ciww2

18. IAllocationStrategy.sol

manticore /home/profganeshteam/Tools/FlattenedContracts/IAllocationStrategy.sol

profganeshteam@SmartContract:~/Tools/FolderForManticore/ResultsForFlattenedContracts\$ manticore/home/profganeshteam/Tools/FlattenedContracts/IAllocationStrategy.sol

2020-01-20 04:35:34,655: [66599] m.main:INFO: Registered plugins: DetectReentrancyAdvanced, <class 'manticore.ethereum.plugins.KeepOnlyIfStorageChanges'>, DetectIntegerOverflow, DetectUnusedRetVal, DetectSuicidal, DetectExternalCallAndLeak, DetectDelegatecall, DetectUninitializedStorage, DetectInvalid,

 $Detect Manipulable Balance,\ Detect Uninitialized Memory,\ Detect EnvInstruction,\ Detect Reentrancy Simple Memory and Memory and$

2020-01-20 04:35:34,655: [66599] m.main:INFO: Beginning analysis

2020-01-20 04:35:34,659: [66599] m.e.manticore:INFO: Starting symbolic create contract

2020-01-20 04:35:34,766: [66599] m.e.manticore:ERROR: An initialization bytecode is needed for a CREATE

2020-01-20 04:35:34,905: [66678] m.c.manticore:INFO: Generated testcase No. 0 - NO STATE RESULT (?)(0 txs)

2020-01-20 04:35:34,961: [66599] m.c.manticore:INFO: Results in home/profganeshteam/Tools/FolderForManticore/ResultsForFlattenedContracts/mcore_xghw1v3y

19. guess_the_random_number.sol

manticore /home/profganeshteam/Tools/FlattenedContracts/guess_the random number.sol

 $profganeshteam@SmartContract: \sim Tools/FolderForManticore/ResultsForFlattenedContracts \$ manticore / home/profganeshteam/Tools/FlattenedContracts/guess_the_random_number.sol$

2020-01-20 04:36:26,871: [66943] m.main:INFO: Registered plugins: DetectReentrancySimple, DetectReentrancyAdvanced, DetectUnusedRetVal, DetectExternalCallAndLeak, DetectInvalid, DetectSuicidal, DetectDelegatecall, DetectIntegerOverflow, DetectEnvInstruction, DetectManipulableBalance, <class 'manticore.ethereum.plugins.KeepOnlyIfStorageChanges'>, DetectUninitializedStorage,

DetectUninitializedMemory

2020-01-20 04:36:26,872: [66943] m.main:INFO: Beginning analysis

2020-01-20 04:36:26,876: [66943] m.e.manticore:INFO: Starting symbolic create contract

2020-01-20 04:36:27,451: [66943] m.e.manticore:INFO: Failed to compile contract []

2020-01-20 04:36:27,452: [66943] m.e.manticore:INFO: Failed to create contract: exception in constructor

2020-01-20 04:36:27,587: [67258] m.c.manticore:INFO: Generated testcase No. 0 - REVERT(1 txs)

2020-01-20 04:36:27,660: [66943] m.c.manticore:INFO: Results in

/home/profganeshteam/Tools/FolderForManticore/ResultsForFlattenedContracts/mcore fgcj27zs

20. dos_simple.sol

manticore /home/profganeshteam/Tools/FlattenedContracts/dos simple.sol

 $profganeshteam@SmartContract: \sim /Tools/FolderForManticore/ResultsForFlattenedContracts \$ manticore / home/profganeshteam/Tools/FlattenedContracts/dos_simple.sol$

2020-01-20 04:37:37,482: [67555] m.main:INFO: Registered plugins: DetectDelegatecall, DetectInvalid, DetectExternalCallAndLeak, DetectEnvInstruction, DetectManipulableBalance, DetectIntegerOverflow, DetectReentrancySimple, DetectReentrancyAdvanced, DetectUnusedRetVal, DetectUninitializedStorage,

```
DetectUninitializedMemory, <class 'manticore.ethereum.plugins.KeepOnlyIfStorageChanges'>, DetectSuicidal
2020-01-20 04:37:37,482: [67555] m.main:INFO: Beginning analysis
2020-01-20 04:37:37,486: [67555] m.e.manticore:INFO: Starting symbolic create contract
2020-01-20 04:37:38,612: [67555] m.e.manticore:INFO: Starting symbolic transaction: 0
2020-01-20
       04:37:40,541:
               [67890]
                     m.e.manticore:INFO:
                                 Found
                                               globalsha3
                                         concrete
00\x00\x00\x00\x00\x00\x00\x00
2020-01-20
       04:37:55,970:
               [67890]
                     m.e.manticore:INFO:
                                 Found
                                         concrete
                                               globalsha3
00\x00\x00\x00\x00\x00\x00'
2020-01-20
       04:38:12,767:
               [67890]
                     m.e.manticore:INFO:
                                 Found
                                               globalsha3
                                         concrete
00\x00\x00\x00\x00\x00\x00\x00
2020-01-20
       04:38:21,072:
               [67890]
                     m.e.manticore:INFO:
                                 Found
                                         concrete
                                               globalsha3
00\x00\x00\x00\x00\x00\x00\x00
2020-01-20
       04:38:24,086:
               [67890]
                     m.e.manticore:INFO:
                                 Found
                                         concrete
                                               globalsha3
00\x00\x00\x00\x00\x00\x00\x00
2020-01-20
       04:38:27,882:
               [67890]
                     m.e.manticore:INFO:
                                 Found
                                         concrete
                                               globalsha3
00\x00\x00\x00\x00\x00\x00\x00
2020-01-20
       04:38:30,715:
               [67890]
                     m.e.manticore:INFO:
                                 Found
                                         concrete
                                               globalsha3
00\x00\x00\x00\x00\x00\x00\x00
m.e.manticore:INFO:
2020-01-20
       04:38:33,541:
               [67890]
                                 Found
                                         concrete
                                               globalsha3
00\x00\x00\x00\x00\x00\x00\x00
18569430475105882587588266137607568536673111973893317399460219858819262702947
2020-01-20
       04:39:21,982:
               [67890]
                     m.e.manticore:INFO:
                                 Found
                                         concrete
                                               globalsha3
00\x00\x00\x00\x00\x00\x00
18569430475105882587588266137607568536673111973893317399460219858819262702947
2020-01-20
       04:39:35,432:
               [67890]
                     m.e.manticore:INFO:
                                 Found
                                         concrete
                                               globalsha3
00\x00\x00\x00\x00\x00\x00\x00
```

```
04:40:07,706:
2020-01-20
                [67890]
                      m.e.manticore:INFO:
                                  Found
                                       a
                                          concrete
                                                globalsha3
00\x00\x00\x00\x00\x00\x00
2020-01-20
       04:41:14,732:
                [67890]
                      m.e.manticore:INFO:
                                  Found
                                          concrete
                                                globalsha3
00\x00\x00\x00\x00\x00\x00\x00
2020-01-20
       04:41:30,500:
                [67890]
                      m.e.manticore:INFO:
                                                globalsha3
                                  Found
                                          concrete
00\x00\x00\x00\x00\x00\x00'
2020-01-20
       04:41:35,846:
                [67890]
                      m.e.manticore:INFO:
                                  Found
                                                globalsha3
                                          concrete
00\x00\x00\x00\x00\x00\x00\x00
18569430475105882587588266137607568536673111973893317399460219858819262702947
2020-01-20
       04:41:59,194:
                [67890]
                      m.e.manticore:INFO:
                                  Found
                                                globalsha3
                                          concrete
00\x00\x00\x00\x00\x00\x00\x00
2020-01-20
       04:42:08,936:
                [67890]
                      m.e.manticore:INFO:
                                  Found
                                          concrete
                                                globalsha3
00\x00\x00\x00\x00\x00\x00\x00
2020-01-20
       04:42:59,931:
                [67890]
                      m.e.manticore:INFO:
                                  Found
                                                globalsha3
                                          concrete
00\x00\x00\x00\x00\x00\x00\x00
2020-01-20
       04:44:56,005:
                [67890]
                      m.e.manticore:INFO:
                                  Found
                                          concrete
                                                globalsha3
00\x00\x00\x00\x00\x00\x00\x00
^C2020-01-20 04:45:32,208: [67555] m.e.manticore:INFO: 0 alive states, 3 terminated states
2020-01-20 04:45:33,302: [71013] m.c.manticore:INFO: Generated testcase No. 0 - RETURN(1 txs)
2020-01-20 04:45:33,320: [71012] m.c.manticore:INFO: Generated testcase No. 1 - REVERT(2 txs)
2020-01-20 04:45:33,340: [71014] m.c.manticore:INFO: Generated testcase No. 2 - REVERT(2 txs)
2020-01-20
                     [67555]
          04:45:36,214:
                             m.c.manticore:INFO:
                                                    in
/home/profganeshteam/Tools/FolderForManticore/ResultsForFlattenedContracts/mcore xk8fem97
```

21. dos_number.sol

manticore /home/profganeshteam/Tools/FlattenedContracts/dos number.sol

profganeshteam@SmartContract:~/Tools/FolderForManticore/ResultsForFlattenedContracts\$ manticore /home/profganeshteam/Tools/FlattenedContracts/dos number.sol 2020-01-20 04:46:58,207: [71402] m.main:INFO: Registered plugins: DetectUnusedRetVal, DetectSuicidal,

```
DetectReentrancySimple, DetectDelegatecall, DetectInvalid, DetectExternalCallAndLeak, DetectEnvInstruction,
                                                              DetectManipulableBalance,
DetectReentrancyAdvanced,
                                 DetectIntegerOverflow,
                                                                                               <class
'manticore.ethereum.plugins.KeepOnlyIfStorageChanges'>,
                                                                            DetectUninitializedStorage,
DetectUninitializedMemory
2020-01-20 04:46:58,208: [71402] m.main:INFO: Beginning analysis
2020-01-20 04:46:58,213: [71402] m.e.manticore:INFO: Starting symbolic create contract
2020-01-20 04:47:01,816: [71402] m.e.manticore:INFO: Starting symbolic transaction: 0
2020-01-20
              04:47:06,344:
                              [71748]
                                         m.e.manticore:INFO:
                                                                Found
                                                                                           globalsha3
                                                                               concrete
00\x00\x00\x00\x00\x00\x00\x01
80084422859880547211683076133703299733277748156566366325829078699459944778998
              04:51:55,561:
2020-01-20
                              [71751]
                                         m.e.manticore:INFO:
                                                                Found
                                                                               concrete
                                                                                           globalsha3
00\x00\x00\x00\x00\x00\x00\x01
^C2020-01-20 04:55:53,194: [71759] m.c.worker:ERROR: Exception in state 9: SolverError(",)
Traceback (most recent call last):
  File "/usr/local/lib/python3.6/dist-packages/manticore/core/worker.py", line 121, in run
    current state.execute()
  File "/usr/local/lib/python3.6/dist-packages/manticore/ethereum/state.py", line 6, in execute
    return self. platform.execute()
  File "/usr/local/lib/python3.6/dist-packages/manticore/platforms/evm.py", line 2783, in execute
    self.current vm.execute()
  File "/usr/local/lib/python3.6/dist-packages/manticore/platforms/evm.py", line 1242, in execute
    result = self. handler(*arguments)
  File "/usr/local/lib/python3.6/dist-packages/manticore/platforms/evm.py", line 1115, in handler
    return implementation(*arguments)
  File "/usr/local/lib/python3.6/dist-packages/manticore/platforms/evm.py", line 1882, in SLOAD
    self._publish("did_evm_read_storage", storage_address, offset, value)
  File "/usr/local/lib/python3.6/dist-packages/manticore/utils/event.py", line 146, in publish
    self. publish impl( name, *args, **kwargs)
  File "/usr/local/lib/python3.6/dist-packages/manticore/utils/event.py", line 163, in _publish_impl
    sink._publish_impl(_name, *args, **kwargs)
  File "/usr/local/lib/python3.6/dist-packages/manticore/utils/event.py", line 163, in publish impl
    sink. publish impl( name, *args, **kwargs)
  File "/usr/local/lib/python3.6/dist-packages/manticore/utils/event.py", line 161, in publish impl
    sink. publish impl( name, self, *args, **kwargs)
  File "/usr/local/lib/python3.6/dist-packages/manticore/utils/event.py", line 154, in publish impl
    callback(robj(), *args, **kwargs)
  File
           "/usr/local/lib/python3.6/dist-packages/manticore/ethereum/detectors.py",
                                                                                          700.
                                                                                 line
                                                                                                   in
did evm read storage callback
    if not state.can be true(value != 0):
  File "/usr/local/lib/python3.6/dist-packages/manticore/core/state.py", line 302, in can be true
    return self. solver.can be true(self. constraints, expr)
```

 $File "/usr/local/lib/python 3.6/dist-packages/manticore/core/smtlib/solver.py", line 415, in can_be_true return self._is_sat()$

File "/usr/local/lib/python3.6/dist-packages/manticore/core/smtlib/solver.py", line 341, in _is_sat raise SolverError(status)

manticore.exceptions.SolverError

2020-01-20 04:55:53,872: [71402] m.e.manticore:INFO: 1 alive states, 8 terminated states 2020-01-20 04:55:55,151: [73246] m.c.manticore:INFO: Generated testcase No. 0 - RETURN(1 txs) 2020-01-20 04:55:55,211: [73244] m.c.manticore:INFO: Generated testcase No. 1 - REVERT(2 txs) 2020-01-20 04:55:55,240: [73243] m.c.manticore:INFO: Generated testcase No. 3 - REVERT(2 txs) 2020-01-20 04:55:55,232: [73245] m.c.manticore:INFO: Generated testcase No. 2 - STOP(2 txs) 2020-01-20 04:55:55,273: [73247] m.c.manticore:INFO: Generated testcase No. 5 - REVERT(2 txs) 2020-01-20 04:55:55,296: [73242] m.c.manticore:INFO: Generated testcase No. 4 - STOP(2 txs) 2020-01-20 04:55:55,326: [73251] m.c.manticore:INFO: Generated testcase No. 6 - REVERT(2 txs) 2020-01-20 04:55:55,365: [73253] m.c.manticore:INFO: Generated testcase No. 8 - RETURN(2 txs) 2020-01-20 04:55:55,368: [73250] m.c.manticore:INFO: Generated testcase No. 7 - RETURN(2 txs) 2020-01-20 04:59:02,549: [71402] m.c.manticore:INFO: in /home/profganeshteam/Tools/FolderForManticore/ResultsForFlattenedContracts/mcore 2c7re9oo $profganes hteam@SmartContract: \sim /Tools/FolderForManticore/ResultsForFlattenedContract: \sim /Tools/FolderForFlattenedContract: \sim /Tools/FolderForFlattenedContract:$

22. dos_address.sol

manticore /home/profganeshteam/Tools/FlattenedContracts/dos address.sol

profganeshteam@SmartContract:~/Tools/FolderForManticore/ResultsForFlattenedContracts\$ manticore/home/profganeshteam/Tools/FlattenedContracts/dos address.sol

2020-01-20 05:07:45,048: [74386] m.main:INFO: Registered plugins: DetectReentrancySimple, DetectIntegerOverflow, DetectReentrancyAdvanced, DetectUnusedRetVal, DetectManipulableBalance, DetectSuicidal, DetectDelegatecall, DetectInvalid, DetectExternalCallAndLeak, DetectEnvInstruction, <class 'manticore.ethereum.plugins.KeepOnlyIfStorageChanges'>, DetectUninitializedStorage,

DetectUninitializedMemory

2020-01-20 05:07:45,049: [74386] m.main:INFO: Beginning analysis

2020-01-20 05:07:45,053: [74386] m.e.manticore:INFO: Starting symbolic create contract

2020-01-20 05:07:48,792: [74386] m.e.manticore:INFO: Starting symbolic transaction: 0

```
2020-01-20
       05:07:52,109:
               [74774]
                    m.e.manticore:INFO:
                                Found
                                    a
                                       concrete
                                             globalsha3
00 \ x00 \ x00 \ x00 \ x00 \ x00'
2020-01-20
       05:07:52,292:
               [74774]
                    m.e.manticore:INFO:
                                Found
                                       concrete
                                             globalsha3
00\x00\x00\x00\x00\x00\x00\x00
2020-01-20
       05:07:52,490:
               [74774]
                    m.e.manticore:INFO:
                                Found
                                       concrete
                                             globalsha3
00\x00\x00\x00\x00\x00\x00'
2020-01-20
       05:07:52,681:
               [74774]
                    m.e.manticore:INFO:
                                Found
                                       concrete
                                             globalsha3
00\x00\x00\x00\x00\x00\x00\x00
18569430475105882587588266137607568536673111973893317399460219858819262702947
2020-01-20
       05:07:52,875:
               [74774]
                               Found
                    m.e.manticore:INFO:
                                       concrete
                                             globalsha3
00\x00\x00\x00\x00\x00\x00\x00
2020-01-20
       05:07:53,069:
               [74774]
                    m.e.manticore:INFO:
                                Found
                                       concrete
                                             globalsha3
00\x00\x00\x00\x00\x00\x00\x00
18569430475105882587588266137607568536673111973893317399460219858819262702947
2020-01-20
       05:07:53,262:
               [74774]
                    m.e.manticore:INFO:
                                Found
                                       concrete
                                             globalsha3
00\x00\x00\x00\x00\x00\x00\x00
2020-01-20
       05:07:53,452:
               [74774]
                    m.e.manticore:INFO:
                                Found
                                       concrete
                                             globalsha3
00\x00\x00\x00\x00\x00\x00\x00
m.e.manticore:INFO:
2020-01-20
       05:07:53,644:
               [74774]
                                Found
                                       concrete
                                             globalsha3
00\x00\x00\x00\x00\x00\x00\x00
18569430475105882587588266137607568536673111973893317399460219858819262702947
2020-01-20
       05:07:53,840:
               [74774]
                    m.e.manticore:INFO:
                                Found
                                       concrete
                                             globalsha3
00\x00\x00\x00\x00\x00\x00
18569430475105882587588266137607568536673111973893317399460219858819262702947
2020-01-20
       05:07:54,241:
               [74774]
                    m.e.manticore:INFO:
                                Found
                                       concrete
                                             globalsha3
00\x00\x00\x00\x00\x00\x00\x00
```

```
2020-01-20
                        05:07:54,639:
                                                    [74774]
                                                                       m.e.manticore:INFO:
                                                                                                              Found
                                                                                                                              a
                                                                                                                                       concrete
                                                                                                                                                           globalsha3
00 \ x00 \ x00 \ x00 \ x00 \ x00'
2020-01-20
                        05:07:54,838:
                                                    [74774]
                                                                       m.e.manticore:INFO:
                                                                                                              Found
                                                                                                                                       concrete
                                                                                                                                                           globalsha3
00\x00\x00\x00\x00\x00\x00\x00
2020-01-20
                        05:07:55.050:
                                                    [74774]
                                                                       m.e.manticore:INFO:
                                                                                                              Found
                                                                                                                                       concrete
                                                                                                                                                           globalsha3
00\x00\x00\x00\x00\x00\x00'
2020-01-20
                        05:07:55,241:
                                                    [74774]
                                                                       m.e.manticore:INFO:
                                                                                                              Found
                                                                                                                                       concrete
                                                                                                                                                           globalsha3
00\x00\x00\x00\x00\x00\x00\x00
18569430475105882587588266137607568536673111973893317399460219858819262702947
2020-01-20
                        05:07:55,435:
                                                    [74774]
                                                                                                              Found
                                                                       m.e.manticore:INFO:
                                                                                                                                       concrete
                                                                                                                                                           globalsha3
00\x00\x00\x00\x00\x00\x00\x00
2020-01-20
                        05:07:55,627:
                                                    [74774]
                                                                       m.e.manticore:INFO:
                                                                                                              Found
                                                                                                                                       concrete
                                                                                                                                                           globalsha3
00\x00\x00\x00\x00\x00\x00\x00
18569430475105882587588266137607568536673111973893317399460219858819262702947
2020-01-20
                        05:07:55,822:
                                                    [74774]
                                                                       m.e.manticore:INFO:
                                                                                                              Found
                                                                                                                                       concrete
                                                                                                                                                           globalsha3
00\x00\x00\x00\x00\x00\x00\x00
2020-01-20
                        05:07:56,023:
                                                    [74774]
                                                                       m.e.manticore:INFO:
                                                                                                              Found
                                                                                                                                       concrete
                                                                                                                                                           globalsha3
00\x00\x00\x00\x00\x00\x00\x00
m.e.manticore:INFO:
2020-01-20
                        05:07:56,222:
                                                    [74774]
                                                                                                              Found
                                                                                                                                       concrete
                                                                                                                                                           globalsha3
0.0 \times 0.0 
18569430475105882587588266137607568536673111973893317399460219858819262702947
2020-01-20
                        05:07:56,424:
                                                    [74774]
                                                                       m.e.manticore:INFO:
                                                                                                              Found
                                                                                                                                       concrete
                                                                                                                                                           globalsha3
00\x00\x00\x00\x00\x00\x00
18569430475105882587588266137607568536673111973893317399460219858819262702947
2020-01-20
                        05:07:56,681:
                                                    [74774]
                                                                       m.e.manticore:INFO:
                                                                                                              Found
                                                                                                                                       concrete
                                                                                                                                                           globalsha3
00\x00\x00\x00\x00\x00\x00\x00
```

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05:07:56,892:
2020-01-20
               [74774]
                    m.e.manticore:INFO:
                                Found
                                    a
                                       concrete
                                             globalsha3
00 \ x00 \ x00 \ x00 \ x00 \ x00'
2020-01-20
       05:07:57,095:
               [74774]
                    m.e.manticore:INFO:
                                Found
                                       concrete
                                             globalsha3
00\x00\x00\x00\x00\x00\x00\x00
2020-01-20
       05:07:57,298:
               [74774]
                    m.e.manticore:INFO:
                                Found
                                       concrete
                                             globalsha3
00\x00\x00\x00\x00\x00\x00'
2020-01-20
       05:07:57,513:
               [74774]
                    m.e.manticore:INFO:
                                Found
                                       concrete
                                             globalsha3
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18569430475105882587588266137607568536673111973893317399460219858819262702947
2020-01-20
       05:07:57,715:
               [74774]
                               Found
                    m.e.manticore:INFO:
                                       concrete
                                             globalsha3
00\x00\x00\x00\x00\x00\x00\x00
2020-01-20
       05:07:58,234:
               [74774]
                    m.e.manticore:INFO:
                                Found
                                       concrete
                                             globalsha3
00\x00\x00\x00\x00\x00\x00\x00
18569430475105882587588266137607568536673111973893317399460219858819262702947
2020-01-20
       05:07:58,442:
               [74774]
                    m.e.manticore:INFO:
                                Found
                                       concrete
                                             globalsha3
00\x00\x00\x00\x00\x00\x00\x00
2020-01-20
       05:07:58,671:
               [74774]
                    m.e.manticore:INFO:
                                Found
                                       concrete
                                             globalsha3
00\x00\x00\x00\x00\x00\x00\x00
m.e.manticore:INFO:
2020-01-20
       05:07:58,895:
               [74774]
                                Found
                                       concrete
                                             globalsha3
00\x00\x00\x00\x00\x00\x00\x00
18569430475105882587588266137607568536673111973893317399460219858819262702947
2020-01-20
       05:07:59,237:
               [74774]
                    m.e.manticore:INFO:
                                Found
                                       concrete
                                             globalsha3
00\x00\x00\x00\x00\x00\x00
18569430475105882587588266137607568536673111973893317399460219858819262702947
2020-01-20
       05:07:59,721:
               [74774]
                    m.e.manticore:INFO:
                                Found
                                       concrete
                                             globalsha3
00\x00\x00\x00\x00\x00\x00\x00
```

```
2020-01-20
       05:08:07,987:
               [74774]
                    m.e.manticore:INFO:
                                Found
                                    a
                                       concrete
                                             globalsha3
00 \ x00 \ x00 \ x00 \ x00 \ x00'
2020-01-20
       05:08:17,790:
               [74774]
                    m.e.manticore:INFO:
                                Found
                                       concrete
                                             globalsha3
00\x00\x00\x00\x00\x00\x00\x00
2020-01-20
               [74774]
       05:08:26,263:
                    m.e.manticore:INFO:
                                Found
                                       concrete
                                             globalsha3
00\x00\x00\x00\x00\x00\x00'
2020-01-20
       05:09:03,320:
               [74774]
                    m.e.manticore:INFO:
                                Found
                                       concrete
                                             globalsha3
00\x00\x00\x00\x00\x00\x00\x00
18569430475105882587588266137607568536673111973893317399460219858819262702947
2020-01-20
       05:09:08,555:
               [74774]
                                Found
                    m.e.manticore:INFO:
                                       concrete
                                             globalsha3
00\x00\x00\x00\x00\x00\x00\x00
2020-01-20
       05:09:11,554:
               [74774]
                    m.e.manticore:INFO:
                                Found
                                       concrete
                                             globalsha3
00\x00\x00\x00\x00\x00\x00\x00
18569430475105882587588266137607568536673111973893317399460219858819262702947
2020-01-20
       05:09:14,781:
               [74774]
                    m.e.manticore:INFO:
                                Found
                                       concrete
                                             globalsha3
00\x00\x00\x00\x00\x00\x00\x00
2020-01-20
       05:09:18,370:
               [74774]
                    m.e.manticore:INFO:
                                Found
                                       concrete
                                             globalsha3
00\x00\x00\x00\x00\x00\x00\x00
m.e.manticore:INFO:
2020-01-20
       05:09:23,199:
               [74774]
                                Found
                                       concrete
                                             globalsha3
00\x00\x00\x00\x00\x00\x00\x00
18569430475105882587588266137607568536673111973893317399460219858819262702947
2020-01-20
       05:09:30,330:
               [74774]
                    m.e.manticore:INFO:
                                Found
                                       concrete
                                             globalsha3
00\x00\x00\x00\x00\x00\x00
18569430475105882587588266137607568536673111973893317399460219858819262702947
2020-01-20
       05:10:04,335:
               [74774]
                    m.e.manticore:INFO:
                                Found
                                       concrete
                                             globalsha3
00\x00\x00\x00\x00\x00\x00\x00
```

```
m.e.manticore:INFO:
2020-01-20
         05:10:13,135:
                    [74774]
                                           Found
                                                 a
                                                     concrete
                                                             globalsha3
00\x00\x00\x00\x00\x00\x00\x00
2020-01-20
         05:10:53,216:
                    [74774]
                            m.e.manticore:INFO:
                                           Found
                                                     concrete
                                                             globalsha3
00\x00\x00\x00\x00\x00\x00\x00
2020-01-20
         05:11:52,053:
                    [74774]
                           m.e.manticore:INFO:
                                                             globalsha3
                                           Found
                                                     concrete
00\x00\x00\x00\x00\x00\x00'
2020-01-20
         05:12:36,613:
                    [74774]
                           m.e.manticore:INFO:
                                           Found
                                                             globalsha3
                                                     concrete
00\x00\x00\x00\x00\x00\x00\x00
18569430475105882587588266137607568536673111973893317399460219858819262702947
^C2020-01-20 05:13:09,796: [74386] m.e.manticore:INFO: 0 alive states, 6 terminated states
2020-01-20 05:13:10,964: [83018] m.c.manticore:INFO: Generated testcase No. 0 - RETURN(1 txs)
2020-01-20 05:13:11,007: [83020] m.c.manticore:INFO: Generated testcase No. 1 - STOP(2 txs)
2020-01-20 05:13:11,026: [83017] m.c.manticore:INFO: Generated testcase No. 2 - REVERT(2 txs)
2020-01-20 05:13:11,063: [83021] m.c.manticore:INFO: Generated testcase No. 3 - RETURN(2 txs)
2020-01-20 05:13:11,101: [83022] m.c.manticore:INFO: Generated testcase No. 4 - RETURN(2 txs)
2020-01-20 05:13:11,093: [83023] m.c.manticore:INFO: Generated testcase No. 5 - REVERT(2 txs)
<Time out>
```

23. CompoundAllocationStrategy.sol

manticore /home/profganeshteam/Tools/FlattenedContracts/CompoundAllocationStrategy.sol profganeshteam@SmartContract:~/Tools/FolderForManticore/ResultsForFlattenedContracts\$ manticore /home/profganeshteam/Tools/FlattenedContracts/CompoundAllocationStrategy.sol2020-01-20 05:17:20,771: [83459] m.main:INFO: Registered plugins: DetectSuicidal, DetectIntegerOverflow, DetectDelegatecall, DetectInvalid, DetectExternalCallAndLeak, DetectEnvInstruction, DetectManipulableBalance, DetectUninitializedStorage, DetectUninitializedMemory, DetectReentrancySimple, <class 'manticore.ethereum.plugins.KeepOnlyIfStorageChanges'>, DetectReentrancyAdvanced, DetectUnusedRetVal 2020-01-20 05:17:20,771: [83459] m.main:INFO: Beginning analysis 2020-01-20 05:17:20,775: [83459] m.e.manticore:INFO: Starting symbolic create contract 2020-01-20 05:17:23,721: [83459] m.e.manticore:ERROR: Errors : Invalid solc compilation /home/profganeshteam/Tools/FlattenedContracts/CompoundAllocationStrategy.sol:235:1: Warning: Experimental features are turned on. Do not use experimental features on live deployments. pragma experimental ABIEncoderV2; ^____^ /home/profganeshteam/Tools/FlattenedContracts/CompoundAllocationStrategy.sol: 507:1:Duplicate Error: experimental feature name. pragma experimental ABIEncoderV2;

. Solidity failed to generate bytecode for your contract. Check if all the abstract functions are implemented.

2020-01-20 05:17:24,049: [83548] m.c.manticore:INFO: Generated testcase No. 0 - NO STATE RESULT (?)(0 txs)

2020-01-20 05:17:24,085: [83459] m.c.manticore:INFO: Results in

/home/profganeshteam/Tools/FolderForManticore/ResultsForFlattenedContracts/mcore py094s6f

24. Casino.sol

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

profganeshteam@SmartContract:~/Tools/FolderForManticore/ResultsForFlattenedContracts\$ manticore/home/profganeshteam/Tools/FlattenedContracts/Casino.sol --contract Casino

2020-01-20 05:18:35,784: [84115] m.main:INFO: Registered plugins: DetectUninitializedStorage, DetectUninitializedMemory, <class 'manticore.ethereum.plugins.KeepOnlyIfStorageChanges'>, DetectReentrancySimple, DetectExternalCallAndLeak, DetectReentrancyAdvanced, DetectManipulableBalance, DetectUnusedRetVal, DetectSuicidal, DetectDelegatecall, DetectInvalid, DetectEnvInstruction, DetectIntegerOverflow

2020-01-20 05:18:35,784: [84115] m.main:INFO: Beginning analysis

2020-01-20 05:18:35,788: [84115] m.e.manticore:INFO: Starting symbolic create contract

Segmentation fault (core dumped)

25. send_loop.sol

manticore /home/profganeshteam/Tools/FlattenedContracts/send loop.sol

profganeshteam@SmartContract:~/Tools/FolderForManticore/ResultsForFlattenedContracts\$ manticore/home/profganeshteam/Tools/FlattenedContracts/send_loop.sol

2020-01-20 05:19:23,759: [84248] m.main:INFO: Registered plugins: DetectReentrancyAdvanced, DetectUnusedRetVal, DetectSuicidal, DetectInvalid, DetectDelegatecall, DetectExternalCallAndLeak, DetectIntegerOverflow, DetectEnvInstruction, DetectManipulableBalance, DetectUninitializedStorage, <class 'manticore.ethereum.plugins.KeepOnlyIfStorageChanges'>, DetectUninitializedMemory, DetectReentrancySimple 2020-01-20 05:19:23,760: [84248] m.main:INFO: Beginning analysis

2020-01-20 05:19:23,764: [84248] m.e.manticore:INFO: Starting symbolic create contract

2020-01-20 05:19:25,062: [84248] m.e.manticore:ERROR: Errors : Invalid solc compilation /home/profganeshteam/Tools/FlattenedContracts/send_loop.sol:13:30: Error: 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

refund Addresses.push (0x79B483371E87d664cd39491b5F06250165e4b185);

^____^

/home/profganeshteam/Tools/FlattenedContracts/send_loop.sol:19:21: Error: "send" and "transfer" are only available for objects of type "address payable", not "address".

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

^______

[.] Solidity failed to generate bytecode for your contract. Check if all the abstract functions are implemented.

2020-01-20 05:19:25,342: [84332] m.c.manticore:INFO: Generated testcase No. 0 - NO STATE RESULT (?)(0 txs)

2020-01-20 05:19:25,413: [84248] m.c.manticore:INFO: Results in

 $/home/profganeshteam/Tools/FolderForManticore/ResultsForFlattenedContracts/mcore_kp_0ml09$