

purchaseOrder : 15

max gas: 36979

```
WARNING:root:You are using an untested version of z3. 4.5.1 is the officially tested version
WARNING:root:You are using evm version 1.8.15. The supported version is 1.7.3
INFO:root:contract 15.sol:purchaseOrder:
INFO:symExec:  ===== Results =====
INFO:symExec:  EVM Code Coverage: 72.5%
INFO:symExec:  Integer Underflow: True
INFO:symExec:  Integer Overflow: False
INFO:symExec:  Parity Multisig Bug 2: False
INFO:symExec:  Callstack Depth Attack Vulnerability: False
INFO:symExec:  Transaction-Ordering Dependence (TOD): False
INFO:symExec:  Timestamp Dependency: False
INFO:symExec:  Re-Entrancy Vulnerability: False
INFO:symExec:15.sol:37:6: Warning: Integer Underflow.
    string public productNumber
INFO:symExec:  ===== Analysis Completed =====
```

Ownable : 15

max gas: 7090

```
INFO:root:contract 15.sol:Ownable:
INFO:symExec:  ===== Results =====
INFO:symExec:  EVM Code Coverage: 99.6%
INFO:symExec:  Integer Underflow: False
INFO:symExec:  Integer Overflow: False
INFO:symExec:  Parity Multisig Bug 2: False
INFO:symExec:  Callstack Depth Attack Vulnerability: False
INFO:symExec:  Transaction-Ordering Dependence (TOD): False
INFO:symExec:  Timestamp Dependency: False
INFO:symExec:  Re-Entrancy Vulnerability: False
INFO:symExec:  ===== Analysis Completed =====
```

Bank : 14

max gas: 6652

```
WARNING:root:You are using an untested version of z3. 4.5.1 is the officially tested version
WARNING:root:You are using evm version 1.8.15. The supported version is 1.7.3
INFO:root:contract bank.sol:Bank:
INFO:symExec:  ===== Results =====
INFO:symExec:  EVM Code Coverage: 98.8%
INFO:symExec:  Integer Underflow: False
INFO:symExec:  Integer Overflow: True
INFO:symExec:  Parity Multisig Bug 2: False
INFO:symExec:  Callstack Depth Attack Vulnerability: False
INFO:symExec:  Transaction-Ordering Dependence (TOD): False
INFO:symExec:  Timestamp Dependency: False
INFO:symExec:  Re-Entrancy Vulnerability: True
INFO:symExec:bank.sol:14:37: Warning: Integer Overflow.
    userBalances[msg.sender] = userBalances[msg.sender] + msg.value
Integer Overflow occurs if:
    userBalances[msg.sender] = 1
INFO:symExec:bank.sol:20:14: Warning: Re-Entrancy Vulnerability.
    if (msg.sender.call.value(amountToWithdraw)())
INFO:symExec:  ===== Analysis Completed =====
```

BankAttacker : 14

max gas: 5818

```
WARNING:root:You are using an untested version of z3. 4.5.1 is the officially tested version
WARNING:root:You are using evm version 1.8.15. The supported version is 1.7.3
INFO:root:contract attk.sol:BankAttacker:
INFO:symExec: ===== Results =====
INFO:symExec:     EVM Code Coverage:                97.6%
INFO:symExec:     Integer Underflow:                    False
INFO:symExec:     Integer Overflow:                      False
INFO:symExec:     Parity Multisig Bug 2:                  False
INFO:symExec:     Callstack Depth Attack Vulnerability: False
INFO:symExec:     Transaction-Ordering Dependence (TOD): True
INFO:symExec:     Timestamp Dependency:                   False
INFO:symExec:     Re-Entrancy Vulnerability:                False
INFO:symExec:Flow1
attk.sol:39:18: Warning: Transaction-Ordering Dependency.
    require(msg.sender.send(address(this).balance)
Flow2
attk.sol:23:13: Warning: Transaction-Ordering Dependency.
    if(bankAddress.call.value(msg.value).gas(20764)(bytes4(keccak256("addToBalance()"))))
INFO:symExec: ===== Analysis Completed =====
```

Exchange : 17

max gas: 5439

```
WARNING:root:You are using evm version 1.8.15. The supported version is 1.7.3
INFO:root:contract 17/17.sol:Exchange:
INFO:symExec: ===== Results =====
INFO:symExec:     EVM Code Coverage:                99.1%
INFO:symExec:     Integer Underflow:                    False
INFO:symExec:     Integer Overflow:                    False
INFO:symExec:     Parity Multisig Bug 2:                  False
INFO:symExec:     Callstack Depth Attack Vulnerability: False
INFO:symExec:     Transaction-Ordering Dependence (TOD): False
INFO:symExec:     Timestamp Dependency:                False
INFO:symExec:     Re-Entrancy Vulnerability:            False
INFO:symExec: ===== Analysis Completed =====
```

Owned : 16

max gas: 12289

```
WARNING:root:You are using an untested version of z3. 4.5.1 is the officially tested version
WARNING:root:You are using evm version 1.8.15. The supported version is 1.7.3
INFO:root:contract owned.sol:Owned:
INFO:symExec: ===== Results =====
INFO:symExec:     EVM Code Coverage:                99.7%
INFO:symExec:     Integer Underflow:                    False
INFO:symExec:     Integer Overflow:                    False
INFO:symExec:     Parity Multisig Bug 2:                  False
INFO:symExec:     Callstack Depth Attack Vulnerability: False
INFO:symExec:     Transaction-Ordering Dependence (TOD): False
INFO:symExec:     Timestamp Dependency:                False
INFO:symExec:     Re-Entrancy Vulnerability:            False
INFO:symExec: ===== Analysis Completed =====
```