



SuperBowl GG Smart Contract Audit Report

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AUDITED DETAILS

Audited Project

Project name	Token ticker	Blockchain
SuperBowl GG	SUPER	Binance Smart Chain

Addresses

Contract address	0xB67A4E3687536fD6CD9DCba897Db6AfC98204528
Contract deployer address	0x41CdB931a0eD0D3B9276de1fCAacB16b1DFd7F90

Project Website

https://superbowl.gg/

Codebase

https://bscscan.com/address/0xB67A4E3687536fD6CD9DCba897Db6AfC98204528#code

SUMMARY

Missed your chance to be a part of the World Cup through crypto? Introducing Superbowl GG A Superbowl orientated token with 2 Staking pools with high APYs BUSD Reward Pool for the winning staking pool!

Contract Summary

Documentation Quality

SuperBowl GG provides a very good documentation with standard of solidity base code.

- The technical description is provided clearly and structured and also dont have any high risk issue.

Code Quality

The Overall quality of the basecode is standard.

- Standard solidity basecode and rules are already followed by SuperBowl GG with the discovery of several low issues.

Test Coverage

Test coverage of the project is 100% (Through Codebase)

Audit Findings Summary

- SWC-100 SWC-108 | Explicitly define visibility for all state variables on lines 105, 170 and 182.
- SWC-101 | It is recommended to use vetted safe math libraries for arithmetic operations consistently on lines 119, 119, 177, 177, 178, 178, 306, 334, 374, 374, 396, 406, 406, 407, 419, 419, 419, 419, 420, 420, 424, 424, 424, 425, 425, 429, 429, 433, 433, 437, 437, 441, 441, 442, 442, 444, 444, 445, 446, 522, 536, 536, 572, 572, 573, 573, 574, 574, 609, 609, 610, 610, 627, 628, 628, 629, 629, 643, 645, 669, 669, 671 and 675.
- SWC-103 | Pragma statements can be allowed to float when a contract is intended on lines 6.
- SWC-110 SWC-123 | It is recommended to use of revert(), assert(), and require() in Solidity, and the new REVERT opcode in the EVM on lines 557, 558, 628, 629 and 629.
- SWC-115 | tx.origin should not be used for authorization, use msg.sender instead on lines 483.
- SWC-120 | It is recommended to use external sources of randomness via oracles on lines 606.

CONCLUSION

We have audited the SuperBowl GG project released on January 2023 to discover issues and identify potential security vulnerabilities in SuperBowl GG Project. This process is used to find technical issues and security loopholes which might be found in the smart contract.

The security audit report provides a satisfactory result with some low-risk issues.

The issues found in the SuperBowl GG smart contract code do not pose a considerable risk. The writing of the contract is close to the standard of writing contracts in general. The low-risk issues found are some arithmetic operation issues, a floating pragma is set, a state variable visibility is not set, weak sources of randomness, tx.origin as a part of authorization control and out of bounds array access which the index access expression can cause an exception in case of the use of an invalid array index value.

AUDIT RESULT

Article	Category	Description	Result
Default Visibility	SWC-100 SWC-108	Functions and state variables visibility should be set explicitly. Visibility levels should be specified consciously.	ISSUE FOUND
Integer Overflow and Underflow	SWC-101	If unchecked math is used, all math operations should be safe from overflows and underflows.	ISSUE FOUND
Outdated Compiler Version	SWC-102	It is recommended to use a recent version of the Solidity compiler.	PASS
Floating Pragma	SWC-103	Contracts should be deployed with the same compiler version and flags that they have been tested thoroughly.	ISSUE FOUND
Unchecked Call Return Value	SWC-104	The return value of a message call should be checked.	PASS
SELFDESTRUCT Instruction	SWC-106	The contract should not be self-destructible while it has funds belonging to users.	PASS
Reentrancy	SWC-107	Check effect interaction pattern should be followed if the code performs recursive call.	PASS
Assert Violation	SWC-110 SWC-123	Properly functioning code should never reach a failing assert statement.	ISSUE FOUND
Deprecated Solidity Functions	SWC-111	Deprecated built-in functions should never be used.	PASS
Delegate call to Untrusted Callee	SWC-112	Delegate calls should only be allowed to trusted addresses.	PASS
DoS (Denial of Service)	SWC-113 SWC-128	Execution of the code should never be blocked by a specific contract state unless required.	PASS
Race Conditions	SWC-114	Race Conditions and Transactions Order Dependency should not be possible.	PASS

Authorization through tx.origin	SWC-115	tx.origin should not be used for authorization.	ISSUE FOUND
Block values as a proxy for time	SWC-116	Block numbers should not be used for time calculations.	PASS
Signature Unique ID	SWC-117 SWC-121 SWC-122	Signed messages should always have a unique id. A transaction hash should not be used as a unique id.	PASS
Shadowing State Variable	SWC-119	State variables should not be shadowed.	PASS
Weak Sources of Randomness	SWC-120	Random values should never be generated from Chain Attributes or be predictable.	ISSUE FOUND
Incorrect Inheritance Order	SWC-125	When inheriting multiple contracts, especially if they have identical functions, a developer should carefully specify inheritance in the correct order. The rule of thumb is to inherit contracts from more /general/ to more /specific/.	PASS

SMART CONTRACT ANALYSIS

Started	Tuesday Jan 10 2023 09:10:50 GMT+0000 (Coordinated Universal Time)
Finished	Wednesday Jan 11 2023 02:07:32 GMT+0000 (Coordinated Universal Time)
Mode	Standard
Main Source File	SuperBowlGG.sol

Detected Issues

[illegible]

SWC-101	ARITHMETIC OPERATION "/" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "*" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "/" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "*" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "/" DISCOVERED	low	acknowledged
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SWC-101	ARITHMETIC OPERATION "*" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "/" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "**" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "/" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "**" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "/" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "*" DISCOVERED	low	acknowledged
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SWC-101	ARITHMETIC OPERATION "*" DISCOVERED	low	acknowledged
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SWC-101	ARITHMETIC OPERATION "*" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "/" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "*" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "/" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "/" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "+" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "/" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "*" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "/" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "*" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "/" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "*" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "-" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "+" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "/" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "*" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "/" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "*" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "++" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "*" DISCOVERED	low	acknowledged

SWC-101	ARITHMETIC OPERATION "**" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "*" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "**" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "-=" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "+=" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "/" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "*" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "+=" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "-" DISCOVERED	low	acknowledged
SWC-103	A FLOATING PRAGMA IS SET.	low	acknowledged
SWC-108	STATE VARIABLE VISIBILITY IS NOT SET.	low	acknowledged
SWC-108	STATE VARIABLE VISIBILITY IS NOT SET.	low	acknowledged
SWC-108	STATE VARIABLE VISIBILITY IS NOT SET.	low	acknowledged
SWC-115	USE OF "TX.ORIGIN" AS A PART OF AUTHORIZATION CONTROL.	low	acknowledged
SWC-110	OUT OF BOUNDS ARRAY ACCESS	low	acknowledged
SWC-110	OUT OF BOUNDS ARRAY ACCESS	low	acknowledged
SWC-110	OUT OF BOUNDS ARRAY ACCESS	low	acknowledged
SWC-110	OUT OF BOUNDS ARRAY ACCESS	low	acknowledged
SWC-110	OUT OF BOUNDS ARRAY ACCESS	low	acknowledged
SWC-120	POTENTIAL USE OF "BLOCK.NUMBER" AS SOURCE OF RANDOMNESS.	low	acknowledged

SWC-101 | ARITHMETIC OPERATION "*" DISCOVERED

LINE 119

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- SuperBowlGG.sol

Locations

```
118  uint8 constant private _decimals = 18;
119  uint256 constant private _tTotal = startingSupply * 10**_decimals;
120
121  struct Fees {
122      uint16 buyFee;
123  }
```

SWC-101 | ARITHMETIC OPERATION "**" DISCOVERED

LINE 119

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- SuperBowlGG.sol

Locations

```
118  uint8 constant private _decimals = 18;
119  uint256 constant private _tTotal = startingSupply * 10**_decimals;
120
121  struct Fees {
122      uint16 buyFee;
123  }
```

SWC-101 | ARITHMETIC OPERATION "/" DISCOVERED

LINE 177

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- SuperBowlGG.sol

Locations

```
176
177  uint256 private _maxTxAmount = (_tTotal * 100) / 100;
178  uint256 private _maxWalletSize = (_tTotal * 100) / 100;
179
180  bool public tradingEnabled = false;
181
```

SWC-101 | ARITHMETIC OPERATION "*" DISCOVERED

LINE 177

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- SuperBowlGG.sol

Locations

```
176
177  uint256 private _maxTxAmount = (_tTotal * 100) / 100;
178  uint256 private _maxWalletSize = (_tTotal * 100) / 100;
179
180  bool public tradingEnabled = false;
181
```

SWC-101 | ARITHMETIC OPERATION "/" DISCOVERED

LINE 178

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- SuperBowlGG.sol

Locations

```
177 uint256 private _maxTxAmount = (_tTotal * 100) / 100;  
178 uint256 private _maxWalletSize = (_tTotal * 100) / 100;  
179  
180 bool public tradingEnabled = false;  
181 bool public _hasLiqBeenAdded = false;  
182
```


SWC-101 | ARITHMETIC OPERATION "*" DISCOVERED

LINE 178

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- SuperBowlGG.sol

Locations

```
177 uint256 private _maxTxAmount = (_tTotal * 100) / 100;  
178 uint256 private _maxWalletSize = (_tTotal * 100) / 100;  
179  
180 bool public tradingEnabled = false;  
181 bool public _hasLiqBeenAdded = false;  
182
```

SWC-101 | ARITHMETIC OPERATION "-=" DISCOVERED

LINE 306

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- SuperBowlGG.sol

Locations

```
305     if (_allowances[sender][msg.sender] != type(uint256).max) {  
306         _allowances[sender][msg.sender] -= amount;  
307     }  
308  
309     return _transfer(sender, recipient, amount);  
310
```

SWC-101 | ARITHMETIC OPERATION "-" DISCOVERED

LINE 334

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- SuperBowlGG.sol

Locations

```
333   if (timeSinceLastPair != 0) {  
334       require(block.timestamp - timeSinceLastPair > 3 days, "3 Day cooldown.");  
335   }  
336   require(!lpPairs[pair], "Pair already added to list.");  
337   lpPairs[pair] = true;  
338
```

SWC-101 | ARITHMETIC OPERATION "-" DISCOVERED

LINE 374

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- SuperBowlGG.sol

Locations

```
373     function getCirculatingSupply() public view returns (uint256) {  
374         return (_tTotal - (balanceOf(DEAD) + balanceOf(address(0))));  
375     }  
376  
377     function removeSniper(address account) external onlyOwner {  
378
```

SWC-101 | ARITHMETIC OPERATION "+" DISCOVERED

LINE 374

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- SuperBowlGG.sol

Locations

```
373     function getCirculatingSupply() public view returns (uint256) {  
374         return (_tTotal - (balanceOf(DEAD) + balanceOf(address(0))));  
375     }  
376  
377     function removeSniper(address account) external onlyOwner {  
378
```

SWC-101 | ARITHMETIC OPERATION "+" DISCOVERED

LINE 396

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- SuperBowlGG.sol

Locations

```
395     "Cannot exceed maximums.");  
396     require(buyFee + sellFee <= maxRoundtripTax, "Cannot exceed roundtrip maximum.");  
397     _taxRates.buyFee = buyFee;  
398     _taxRates.sellFee = sellFee;  
399     _taxRates.transferFee = transferFee;  
400
```

SWC-101 | ARITHMETIC OPERATION "+" DISCOVERED

LINE 406

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- SuperBowlGG.sol

Locations

```
405  _ratios.staking = staking;
406  _ratios.totalSwap = staking + marketing + staking;
407  uint256 total = _taxRates.buyFee + _taxRates.sellFee;
408  require(_ratios.totalSwap <= total, "Cannot exceed sum of buy and sell fees.");
409  }
410
```

SWC-101 | ARITHMETIC OPERATION "+" DISCOVERED

LINE 406

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- SuperBowlGG.sol

Locations

```
405  _ratios.staking = staking;
406  _ratios.totalSwap = staking + marketing + staking;
407  uint256 total = _taxRates.buyFee + _taxRates.sellFee;
408  require(_ratios.totalSwap <= total, "Cannot exceed sum of buy and sell fees.");
409  }
410
```


SWC-101 | ARITHMETIC OPERATION "+" DISCOVERED

LINE 407

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- SuperBowlGG.sol

Locations

```
406  _ratios.totalSwap = staking + marketing + staking;
407  uint256 total = _taxRates.buyFee + _taxRates.sellFee;
408  require(_ratios.totalSwap <= total, "Cannot exceed sum of buy and sell fees.");
409  }
410
411
```

SWC-101 | ARITHMETIC OPERATION "/" DISCOVERED

LINE 419

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- SuperBowlGG.sol

Locations

```
418     function setMaxTxPercent(uint256 percent, uint256 divisor) external onlyOwner {
419         require((_tTotal * percent) / divisor >= (_tTotal * 5 / 1000), "Max Transaction amt
must be above 0.5% of total supply.");
420         _maxTxAmount = (_tTotal * percent) / divisor;
421     }
422
423
```

SWC-101 | ARITHMETIC OPERATION "*" DISCOVERED

LINE 419

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- SuperBowlGG.sol

Locations

```
418     function setMaxTxPercent(uint256 percent, uint256 divisor) external onlyOwner {
419         require((_tTotal * percent) / divisor >= (_tTotal * 5 / 1000), "Max Transaction amt
must be above 0.5% of total supply.");
420         _maxTxAmount = (_tTotal * percent) / divisor;
421     }
422
423
```

SWC-101 | ARITHMETIC OPERATION "/" DISCOVERED

LINE 419

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- SuperBowlGG.sol

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```
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419         require((_tTotal * percent) / divisor >= (_tTotal * 5 / 1000), "Max Transaction amt
must be above 0.5% of total supply.");
420         _maxTxAmount = (_tTotal * percent) / divisor;
421     }
422
423
```

SWC-101 | ARITHMETIC OPERATION "*" DISCOVERED

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low SEVERITY

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Source File

- SuperBowlGG.sol

Locations

```
418     function setMaxTxPercent(uint256 percent, uint256 divisor) external onlyOwner {  
419         require((_tTotal * percent) / divisor >= (_tTotal * 5 / 1000), "Max Transaction amt  
must be above 0.5% of total supply.");  
420         _maxTxAmount = (_tTotal * percent) / divisor;  
421     }  
422  
423
```

SWC-101 | ARITHMETIC OPERATION "/" DISCOVERED

LINE 420

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- SuperBowlGG.sol

Locations

```
419     require((_tTotal * percent) / divisor >= (_tTotal * 5 / 1000), "Max Transaction amt
must be above 0.5% of total supply.");
420     _maxTxAmount = (_tTotal * percent) / divisor;
421 }
422
423 function setMaxWalletSize(uint256 percent, uint256 divisor) external onlyOwner {
424
```

SWC-101 | ARITHMETIC OPERATION "*" DISCOVERED

LINE 420

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- SuperBowlGG.sol

Locations

```
419     require((_tTotal * percent) / divisor >= (_tTotal * 5 / 1000), "Max Transaction amt
must be above 0.5% of total supply.");
420     _maxTxAmount = (_tTotal * percent) / divisor;
421 }
422
423 function setMaxWalletSize(uint256 percent, uint256 divisor) external onlyOwner {
424
```

SWC-101 | ARITHMETIC OPERATION "/" DISCOVERED

LINE 424

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- SuperBowlGG.sol

Locations

```
423     function setMaxWalletSize(uint256 percent, uint256 divisor) external onlyOwner {  
424         require((_tTotal * percent) / divisor >= (_tTotal / 100), "Max Wallet amt must be  
         above 1% of total supply.");  
425         _maxWalletSize = (_tTotal * percent) / divisor;  
426     }  
427  
428
```


SWC-101 | ARITHMETIC OPERATION "*" DISCOVERED

LINE 424

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- SuperBowlGG.sol

Locations

```
423     function setMaxWalletSize(uint256 percent, uint256 divisor) external onlyOwner {  
424         require((_tTotal * percent) / divisor >= (_tTotal / 100), "Max Wallet amt must be  
         above 1% of total supply.");  
425         _maxWalletSize = (_tTotal * percent) / divisor;  
426     }  
427  
428
```

SWC-101 | ARITHMETIC OPERATION "/" DISCOVERED

LINE 424

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- SuperBowlGG.sol

Locations

```
423     function setMaxWalletSize(uint256 percent, uint256 divisor) external onlyOwner {  
424         require((_tTotal * percent) / divisor >= (_tTotal / 100), "Max Wallet amt must be  
         above 1% of total supply.");  
425         _maxWalletSize = (_tTotal * percent) / divisor;  
426     }  
427  
428
```

SWC-101 | ARITHMETIC OPERATION "/" DISCOVERED

LINE 425

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- SuperBowlGG.sol

Locations

```
424     require((_tTotal * percent) / divisor >= (_tTotal / 100), "Max Wallet amt must be
above 1% of total supply.");
425     _maxWalletSize = (_tTotal * percent) / divisor;
426 }
427
428 function getMaxTX() external view returns (uint256) {
429
```

SWC-101 | ARITHMETIC OPERATION "*" DISCOVERED

LINE 425

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- SuperBowlGG.sol

Locations

```
424     require((_tTotal * percent) / divisor >= (_tTotal / 100), "Max Wallet amt must be
above 1% of total supply.");
425     _maxWalletSize = (_tTotal * percent) / divisor;
426 }
427
428 function getMaxTX() external view returns (uint256) {
429
```

SWC-101 | ARITHMETIC OPERATION "/" DISCOVERED

LINE 429

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- SuperBowlGG.sol

Locations

```
428     function getMaxTX() external view returns (uint256) {  
429         return _maxTxAmount / (10**_decimals);  
430     }  
431  
432     function getMaxWallet() external view returns (uint256) {  
433
```

SWC-101 | ARITHMETIC OPERATION "**" DISCOVERED

LINE 429

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- SuperBowlGG.sol

Locations

```
428     function getMaxTX() external view returns (uint256) {  
429         return _maxTxAmount / (10**_decimals);  
430     }  
431  
432     function getMaxWallet() external view returns (uint256) {  
433
```

SWC-101 | ARITHMETIC OPERATION "/" DISCOVERED

LINE 433

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- SuperBowlGG.sol

Locations

```
432     function getMaxWallet() external view returns (uint256) {  
433         return _maxWalletSize / (10**_decimals);  
434     }  
435  
436     function getTokenAmountAtPriceImpact(uint256 priceImpactInHundreds) external view  
returns (uint256) {  
437
```

SWC-101 | ARITHMETIC OPERATION "**" DISCOVERED

LINE 433

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- SuperBowlGG.sol

Locations

```
432     function getMaxWallet() external view returns (uint256) {  
433         return _maxWalletSize / (10**_decimals);  
434     }  
435  
436     function getTokenAmountAtPriceImpact(uint256 priceImpactInHundreds) external view  
returns (uint256) {  
437
```


SWC-101 | ARITHMETIC OPERATION "/" DISCOVERED

LINE 437

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- SuperBowlGG.sol

Locations

```
436     function getTokenAmountAtPriceImpact(uint256 priceImpactInHundreds) external view
returns (uint256) {
437     return((balanceOf(lpPair) * priceImpactInHundreds) / masterTaxDivisor);
438 }
439
440     function setSwapSettings(uint256 thresholdPercent, uint256 thresholdDivisor,
uint256 amountPercent, uint256 amountDivisor) external onlyOwner {
441
```

SWC-101 | ARITHMETIC OPERATION "*" DISCOVERED

LINE 437

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- SuperBowlGG.sol

Locations

```
436     function getTokenAmountAtPriceImpact(uint256 priceImpactInHundreds) external view
returns (uint256) {
437     return((balanceOf(lpPair) * priceImpactInHundreds) / masterTaxDivisor);
438 }
439
440     function setSwapSettings(uint256 thresholdPercent, uint256 thresholdDivisor,
uint256 amountPercent, uint256 amountDivisor) external onlyOwner {
441
```

SWC-101 | ARITHMETIC OPERATION "/" DISCOVERED

LINE 441

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- SuperBowlGG.sol

Locations

```
440     function setSwapSettings(uint256 thresholdPercent, uint256 thresholdDivisor,
uint256 amountPercent, uint256 amountDivisor) external onlyOwner {
441         swapThreshold = (_tTotal * thresholdPercent) / thresholdDivisor;
442         swapAmount = (_tTotal * amountPercent) / amountDivisor;
443         require(swapThreshold <= swapAmount, "Threshold cannot be above amount.");
444         require(swapAmount <= (balanceOf(lpPair) * 150) / masterTaxDivisor, "Cannot be
above 1.5% of current PI.");
445     }
```

SWC-101 | ARITHMETIC OPERATION "*" DISCOVERED

LINE 441

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- SuperBowlGG.sol

Locations

```
440     function setSwapSettings(uint256 thresholdPercent, uint256 thresholdDivisor,
uint256 amountPercent, uint256 amountDivisor) external onlyOwner {
441         swapThreshold = (_tTotal * thresholdPercent) / thresholdDivisor;
442         swapAmount = (_tTotal * amountPercent) / amountDivisor;
443         require(swapThreshold <= swapAmount, "Threshold cannot be above amount.");
444         require(swapAmount <= (balanceOf(lpPair) * 150) / masterTaxDivisor, "Cannot be
above 1.5% of current PI.");
445     }
```

SWC-101 | ARITHMETIC OPERATION "/" DISCOVERED

LINE 442

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- SuperBowlGG.sol

Locations

```
441  swapThreshold = (_tTotal * thresholdPercent) / thresholdDivisor;
442  swapAmount = (_tTotal * amountPercent) / amountDivisor;
443  require(swapThreshold <= swapAmount, "Threshold cannot be above amount.");
444  require(swapAmount <= (balanceOf(lpPair) * 150) / masterTaxDivisor, "Cannot be
above 1.5% of current PI.");
445  require(swapAmount >= _tTotal / 1_000_000, "Cannot be lower than 0.00001% of total
supply.");
446
```

SWC-101 | ARITHMETIC OPERATION "*" DISCOVERED

LINE 442

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- SuperBowlGG.sol

Locations

```
441  swapThreshold = (_tTotal * thresholdPercent) / thresholdDivisor;
442  swapAmount = (_tTotal * amountPercent) / amountDivisor;
443  require(swapThreshold <= swapAmount, "Threshold cannot be above amount.");
444  require(swapAmount <= (balanceOf(lpPair) * 150) / masterTaxDivisor, "Cannot be
above 1.5% of current PI.");
445  require(swapAmount >= _tTotal / 1_000_000, "Cannot be lower than 0.00001% of total
supply.");
446
```

SWC-101 | ARITHMETIC OPERATION "/" DISCOVERED

LINE 444

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- SuperBowlGG.sol

Locations

```
443     require(swapThreshold <= swapAmount, "Threshold cannot be above amount.");
444     require(swapAmount <= (balanceOf(lpPair) * 150) / masterTaxDivisor, "Cannot be
above 1.5% of current PI.");
445     require(swapAmount >= _tTotal / 1_000_000, "Cannot be lower than 0.00001% of total
supply.");
446     require(swapThreshold >= _tTotal / 1_000_000, "Cannot be lower than 0.00001% of
total supply.");
447   }
448
```

SWC-101 | ARITHMETIC OPERATION "*" DISCOVERED

LINE 444

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- SuperBowlGG.sol

Locations

```
443     require(swapThreshold <= swapAmount, "Threshold cannot be above amount.");
444     require(swapAmount <= (balanceOf(lpPair) * 150) / masterTaxDivisor, "Cannot be
above 1.5% of current PI.");
445     require(swapAmount >= _tTotal / 1_000_000, "Cannot be lower than 0.00001% of total
supply.");
446     require(swapThreshold >= _tTotal / 1_000_000, "Cannot be lower than 0.00001% of
total supply.");
447   }
448
```


SWC-101 | ARITHMETIC OPERATION "/" DISCOVERED

LINE 445

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- SuperBowlGG.sol

Locations

```
444   require(swapAmount <= (balanceOf(lpPair) * 150) / masterTaxDivisor, "Cannot be
      above 1.5% of current PI.");
445   require(swapAmount >= _tTotal / 1_000_000, "Cannot be lower than 0.00001% of total
      supply.");
446   require(swapThreshold >= _tTotal / 1_000_000, "Cannot be lower than 0.00001% of
      total supply.");
447   }
448
449
```

SWC-101 | ARITHMETIC OPERATION "/" DISCOVERED

LINE 446

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- SuperBowlGG.sol

Locations

```
445     require(swapAmount >= _tTotal / 1_000_000, "Cannot be lower than 0.00001% of total
supply.");
446     require(swapThreshold >= _tTotal / 1_000_000, "Cannot be lower than 0.00001% of
total supply.");
447   }
448
449   function setPriceImpactSwapAmount(uint256 priceImpactSwapPercent) external
onlyOwner {
450
```

SWC-101 | ARITHMETIC OPERATION "+" DISCOVERED

LINE 522

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- SuperBowlGG.sol

Locations

```
521     if (!_isExcludedFromLimits[to]) {  
522         require(balanceOf(to) + amount <= _maxWalletSize, "Transfer amount exceeds the  
maxWalletSize.");  
523     }  
524 }  
525 }  
526
```

SWC-101 | ARITHMETIC OPERATION "/" DISCOVERED

LINE 536

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- SuperBowlGG.sol

Locations

```
535     uint256 swapAmt = swapAmount;
536     if (piContractSwapsEnabled) { swapAmt = (balanceOf(lpPair) * piSwapPercent) /
masterTaxDivisor; }
537     if (contractTokenBalance >= swapAmt) { contractTokenBalance = swapAmt; }
538     contractSwap(contractTokenBalance);
539 }
540
```

SWC-101 | ARITHMETIC OPERATION "*" DISCOVERED

LINE 536

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- SuperBowlGG.sol

Locations

```
535     uint256 swapAmt = swapAmount;
536     if (piContractSwapsEnabled) { swapAmt = (balanceOf(lpPair) * piSwapPercent) /
masterTaxDivisor; }
537     if (contractTokenBalance >= swapAmt) { contractTokenBalance = swapAmt; }
538     contractSwap(contractTokenBalance);
539 }
540
```

SWC-101 | ARITHMETIC OPERATION "/" DISCOVERED

LINE 572

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- SuperBowlGG.sol

Locations

```
571  bool success;  
572  uint256 stakingBalance = (amtBalance * ratios.staking) / ratios.totalSwap;  
573  uint256 teamBalance = (amtBalance * ratios.team) / ratios.totalSwap;  
574  uint256 marketingBalance = amtBalance - (stakingBalance + teamBalance);  
575  if (ratios.marketing > 0) {  
576
```

SWC-101 | ARITHMETIC OPERATION "*" DISCOVERED

LINE 572

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- SuperBowlGG.sol

Locations

```
571  bool success;  
572  uint256 stakingBalance = (amtBalance * ratios.staking) / ratios.totalSwap;  
573  uint256 teamBalance = (amtBalance * ratios.team) / ratios.totalSwap;  
574  uint256 marketingBalance = amtBalance - (stakingBalance + teamBalance);  
575  if (ratios.marketing > 0) {  
576
```

SWC-101 | ARITHMETIC OPERATION "/" DISCOVERED

LINE 573

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- SuperBowlGG.sol

Locations

```
572  uint256 stakingBalance = (amtBalance * ratios.staking) / ratios.totalSwap;  
573  uint256 teamBalance = (amtBalance * ratios.team) / ratios.totalSwap;  
574  uint256 marketingBalance = amtBalance - (stakingBalance + teamBalance);  
575  if (ratios.marketing > 0) {  
576    (success,) = _taxWallets.marketing.call{value: marketingBalance, gas: 55000}("");  
577  }
```


SWC-101 | ARITHMETIC OPERATION "*" DISCOVERED

LINE 573

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- SuperBowlGG.sol

Locations

```
572 uint256 stakingBalance = (amtBalance * ratios.staking) / ratios.totalSwap;  
573 uint256 teamBalance = (amtBalance * ratios.team) / ratios.totalSwap;  
574 uint256 marketingBalance = amtBalance - (stakingBalance + teamBalance);  
575 if (ratios.marketing > 0) {  
576     (success,) = _taxWallets.marketing.call{value: marketingBalance, gas: 55000}("");  
577 }
```

SWC-101 | ARITHMETIC OPERATION "-" DISCOVERED

LINE 574

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- SuperBowlGG.sol

Locations

```
573  uint256 teamBalance = (amtBalance * ratios.team) / ratios.totalSwap;
574  uint256 marketingBalance = amtBalance - (stakingBalance + teamBalance);
575  if (ratios.marketing > 0) {
576    (success,) = _taxWallets.marketing.call{value: marketingBalance, gas: 55000}("");
577  }
578
```

SWC-101 | ARITHMETIC OPERATION "+" DISCOVERED

LINE 574

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- SuperBowlGG.sol

Locations

```
573  uint256 teamBalance = (amtBalance * ratios.team) / ratios.totalSwap;
574  uint256 marketingBalance = amtBalance - (stakingBalance + teamBalance);
575  if (ratios.marketing > 0) {
576    (success,) = _taxWallets.marketing.call{value: marketingBalance, gas: 55000}("");
577  }
578
```

SWC-101 | ARITHMETIC OPERATION "/" DISCOVERED

LINE 609

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- SuperBowlGG.sol

Locations

```
608     allowedPresaleExclusion = false;
609     swapThreshold = (balanceOf(lpPair) * 10) / 10000;
610     swapAmount = (balanceOf(lpPair) * 30) / 10000;
611     launchStamp = block.timestamp;
612 }
613
```

SWC-101 | ARITHMETIC OPERATION "*" DISCOVERED

LINE 609

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- SuperBowlGG.sol

Locations

```
608     allowedPresaleExclusion = false;
609     swapThreshold = (balanceOf(lpPair) * 10) / 10000;
610     swapAmount = (balanceOf(lpPair) * 30) / 10000;
611     launchStamp = block.timestamp;
612 }
613
```

SWC-101 | ARITHMETIC OPERATION "/" DISCOVERED

LINE 610

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- SuperBowlGG.sol

Locations

```
609     swapThreshold = (balanceOf(lpPair) * 10) / 10000;  
610     swapAmount = (balanceOf(lpPair) * 30) / 10000;  
611     launchStamp = block.timestamp;  
612 }  
613  
614
```

SWC-101 | ARITHMETIC OPERATION "*" DISCOVERED

LINE 610

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- SuperBowlGG.sol

Locations

```
609     swapThreshold = (balanceOf(lpPair) * 10) / 10000;  
610     swapAmount = (balanceOf(lpPair) * 30) / 10000;  
611     launchStamp = block.timestamp;  
612 }  
613  
614
```

SWC-101 | ARITHMETIC OPERATION "++" DISCOVERED

LINE 627

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- SuperBowlGG.sol

Locations

```
626   require(accounts.length == amounts.length, "Lengths do not match.");
627   for (uint16 i = 0; i < accounts.length; i++) {
628       require(balanceOf(msg.sender) >= amounts[i]*10**_decimals, "Not enough tokens.");
629       finalizeTransfer(msg.sender, accounts[i], amounts[i]*10**_decimals, false, false,
true);
630   }
631
```


SWC-101 | ARITHMETIC OPERATION "*" DISCOVERED

LINE 628

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- SuperBowlGG.sol

Locations

```
627   for (uint16 i = 0; i < accounts.length; i++) {  
628       require(balanceOf(msg.sender) >= amounts[i]*10**_decimals, "Not enough tokens.");  
629       finalizeTransfer(msg.sender, accounts[i], amounts[i]*10**_decimals, false, false,  
true);  
630   }  
631 }  
632
```

SWC-101 | ARITHMETIC OPERATION "**" DISCOVERED

LINE 628

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- SuperBowlGG.sol

Locations

```
627   for (uint16 i = 0; i < accounts.length; i++) {  
628       require(balanceOf(msg.sender) >= amounts[i]*10**_decimals, "Not enough tokens.");  
629       finalizeTransfer(msg.sender, accounts[i], amounts[i]*10**_decimals, false, false,  
true);  
630   }  
631 }  
632
```

SWC-101 | ARITHMETIC OPERATION "*" DISCOVERED

LINE 629

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- SuperBowlGG.sol

Locations

```
628     require(balanceOf(msg.sender) >= amounts[i]*10**_decimals, "Not enough tokens.");
629     finalizeTransfer(msg.sender, accounts[i], amounts[i]*10**_decimals, false, false,
true);
630   }
631 }
632
633
```

SWC-101 | ARITHMETIC OPERATION "**" DISCOVERED

LINE 629

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- SuperBowlGG.sol

Locations

```
628     require(balanceOf(msg.sender) >= amounts[i]*10**_decimals, "Not enough tokens.");
629     finalizeTransfer(msg.sender, accounts[i], amounts[i]*10**_decimals, false, false,
true);
630   }
631 }
632
633
```

SWC-101 | ARITHMETIC OPERATION "-=" DISCOVERED

LINE 643

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- SuperBowlGG.sol

Locations

```
642     }  
643     _tOwned[from] -= amount;  
644     uint256 amountReceived = (takeFee) ? takeTaxes(from, buy, sell, amount) : amount;  
645     _tOwned[to] += amountReceived;  
646     emit Transfer(from, to, amountReceived);  
647
```

SWC-101 | ARITHMETIC OPERATION "+=" DISCOVERED

LINE 645

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- SuperBowlGG.sol

Locations

```
644  uint256 amountReceived = (takeFee) ? takeTaxes(from, buy, sell, amount) : amount;  
645  _tOwned[to] += amountReceived;  
646  emit Transfer(from, to, amountReceived);  
647  if (!_hasLiqBeenAdded) {  
648    _checkLiquidityAdd(from, to);  
649  }
```

SWC-101 | ARITHMETIC OPERATION "/" DISCOVERED

LINE 669

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- SuperBowlGG.sol

Locations

```
668     || block.chainid == 56)) { currentFee = 4500; }
669     uint256 feeAmount = amount * currentFee / masterTaxDivisor;
670     if (feeAmount > 0) {
671         _tOwned[address(this)] += feeAmount;
672         emit Transfer(from, address(this), feeAmount);
673     }
```

SWC-101 | ARITHMETIC OPERATION "*" DISCOVERED

LINE 669

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- SuperBowlGG.sol

Locations

```
668  || block.chainid == 56)) { currentFee = 4500; }
669  uint256 feeAmount = amount * currentFee / masterTaxDivisor;
670  if (feeAmount > 0) {
671    _tOwned[address(this)] += feeAmount;
672    emit Transfer(from, address(this), feeAmount);
673  }
```


SWC-101 | ARITHMETIC OPERATION "+=" DISCOVERED

LINE 671

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- SuperBowlGG.sol

Locations

```
670     if (feeAmount > 0) {  
671         _tOwned[address(this)] += feeAmount;  
672         emit Transfer(from, address(this), feeAmount);  
673     }  
674  
675
```

SWC-101 | ARITHMETIC OPERATION "-" DISCOVERED

LINE 675

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- SuperBowlGG.sol

Locations

```
674
675     return amount - feeAmount;
676     }
677     }
678
```

SWC-103 | A FLOATING PRAGMA IS SET.

LINE 6

low SEVERITY

The current pragma Solidity directive is `">=0.6.0<0.9.0"`. It is recommended to specify a fixed compiler version to ensure that the bytecode produced does not vary between builds. This is especially important if you rely on bytecode-level verification of the code.

Source File

- SuperBowlGG.sol

Locations

```
5 // SPDX-License-Identifier: MIT
6 pragma solidity >=0.6.0 <0.9.0;
7
8 interface IERC20 {
9     function totalSupply() external view returns (uint256);
10
```

SWC-108 | STATE VARIABLE VISIBILITY IS NOT SET.

LINE 105

low SEVERITY

It is best practice to set the visibility of state variables explicitly. The default visibility for "lpPairs" is internal. Other possible visibility settings are public and private.

Source File

- SuperBowlGG.sol

Locations

```
104 mapping (address => uint256) private _tOwned;
105 mapping (address => bool) lpPairs;
106 uint256 private timeSinceLastPair = 0;
107 mapping (address => mapping (address => uint256)) private _allowances;
108 mapping (address => bool) private _liquidityHolders;
109
```

SWC-108 | STATE VARIABLE VISIBILITY IS NOT SET.

LINE 170

low SEVERITY

It is best practice to set the visibility of state variables explicitly. The default visibility for "inSwap" is internal. Other possible visibility settings are public and private.

Source File

- SuperBowlGG.sol

Locations

```
169
170  bool inSwap;
171  bool public contractSwapEnabled = false;
172  uint256 public swapThreshold;
173  uint256 public swapAmount;
174
```

SWC-108 | STATE VARIABLE VISIBILITY IS NOT SET.

LINE 182

low SEVERITY

It is best practice to set the visibility of state variables explicitly. The default visibility for "protections" is internal. Other possible visibility settings are public and private.

Source File

- SuperBowlGG.sol

Locations

```
181  bool public _hasLiqBeenAdded = false;
182  Protections protections;
183  uint256 public launchStamp;
184
185  event ContractSwapEnabledUpdated(bool enabled);
186
```

SWC-115 | USE OF "TX.ORIGIN" AS A PART OF AUTHORIZATION CONTROL.

LINE 483

low SEVERITY

The tx.origin environment variable has been found to influence a control flow decision. Note that using "tx.origin" as a security control might cause a situation where a user inadvertently authorizes a smart contract to perform an action on their behalf. It is recommended to use "msg.sender" instead.

Source File

- SuperBowlGG.sol

Locations

```
482    && to != _owner
483    && tx.origin != _owner
484    && !_liquidityHolders[to]
485    && !_liquidityHolders[from]
486    && to != DEAD
487
```

SWC-110 | OUT OF BOUNDS ARRAY ACCESS

LINE 557

low SEVERITY

The index access expression can cause an exception in case of use of invalid array index value.

Source File

- SuperBowlGG.sol

Locations

```
556 address[] memory path = new address[](2);
557 path[0] = address(this);
558 path[1] = dexRouter.WETH();
559
560 try dexRouter.swapExactTokensForETHSupportingFeeOnTransferTokens(
561
```


SWC-110 | OUT OF BOUNDS ARRAY ACCESS

LINE 558

low SEVERITY

The index access expression can cause an exception in case of use of invalid array index value.

Source File

- SuperBowlGG.sol

Locations

```
557 path[0] = address(this);  
558 path[1] = dexRouter.WETH();  
559  
560 try dexRouter.swapExactTokensForETHSupportingFeeOnTransferTokens(  
561 contractTokenBalance,  
562
```

SWC-110 | OUT OF BOUNDS ARRAY ACCESS

LINE 628

low SEVERITY

The index access expression can cause an exception in case of use of invalid array index value.

Source File

- SuperBowlGG.sol

Locations

```
627   for (uint16 i = 0; i < accounts.length; i++) {  
628       require(balanceOf(msg.sender) >= amounts[i]*10**_decimals, "Not enough tokens.");  
629       finalizeTransfer(msg.sender, accounts[i], amounts[i]*10**_decimals, false, false,  
true);  
630   }  
631   }  
632
```

SWC-110 | OUT OF BOUNDS ARRAY ACCESS

LINE 629

low SEVERITY

The index access expression can cause an exception in case of use of invalid array index value.

Source File

- SuperBowlGG.sol

Locations

```
628     require(balanceOf(msg.sender) >= amounts[i]*10**_decimals, "Not enough tokens.");
629     finalizeTransfer(msg.sender, accounts[i], amounts[i]*10**_decimals, false, false,
true);
630   }
631 }
632
633
```

SWC-110 | OUT OF BOUNDS ARRAY ACCESS

LINE 629

low SEVERITY

The index access expression can cause an exception in case of use of invalid array index value.

Source File

- SuperBowlGG.sol

Locations

```
628     require(balanceOf(msg.sender) >= amounts[i]*10**_decimals, "Not enough tokens.");
629     finalizeTransfer(msg.sender, accounts[i], amounts[i]*10**_decimals, false, false,
true);
630   }
631 }
632
633
```

SWC-120 | POTENTIAL USE OF "BLOCK.NUMBER" AS SOURCE OF RANDOMNESS.

LINE 606

low SEVERITY

The environment variable "block.number" looks like it might be used as a source of randomness. Note that the values of variables like coinbase, gaslimit, block number and timestamp are predictable and can be manipulated by a malicious miner. Also keep in mind that attackers know hashes of earlier blocks. Don't use any of those environment variables as sources of randomness and be aware that use of these variables introduces a certain level of trust into miners.

Source File

- SuperBowlGG.sol

Locations

```
605     }  
606     try protections.setLaunch(lpPair, uint32(block.number), uint64(block.timestamp),  
_decimals) {} catch {}  
607     tradingEnabled = true;  
608     allowedPresaleExclusion = false;  
609     swapThreshold = (balanceOf(lpPair) * 10) / 10000;  
610
```

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This is a limited report on our findings based on our analysis, in accordance with good industry practice as of the date of this report, in relation to cybersecurity vulnerabilities and issues in the framework and algorithms based on smart contracts, the details of which are set out in this report. In order to get a full view of our analysis, it is crucial for you to read the full report. While we have done our best in conducting our analysis and producing this report, it is important to note that you should not rely on this report and cannot claim against us on the basis of what it says or doesn't say, or how we produced it, and it is important for you to conduct your own independent investigations before making any decisions. We go into more detail on this in the below disclaimer below – please make sure to read it in full.

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