

REPORT 62873C3CBCB5B200186554F8

Created Fri May 20 2022 06:59:08 GMT+0000 (Coordinated Universal Time)

Number of analyses 1

User 62661d165ec4949c11c82dcf

REPORT SUMMARY

Analyses ID Main source file Detected vulnerabilities

3d6d9fe1-261e-4c5b-8805-561d04ff4990

/contracts/metafinancetriggerpool.sol

2

Started Fri May 20 2022 06:59:15 GMT+0000 (Coordinated Universal Time)

Finished Fri May 20 2022 07:44:40 GMT+0000 (Coordinated Universal Time)

Mode Deep

Client Tool Mythx-Vscode-Extension

Main Source File /Contracts/Metafinancetriggerpool.Sol

DETECTED VULNERABILITIES

| (HIGH | (MEDIUM | (LOW |
|-------|---------|------|
| 0 | 0 | 2 |

ISSUES

LOW Multiple calls are executed in the same transaction.

SWC-113

This call is executed following another call within the same transaction. It is possible that the call never gets executed if a prior call fails permanently. This might be caused intentionally by a malicious callee. If possible, refactor the code such that each transaction only executes one external call or make sure that all callees can be trusted (i.e. they're part of your own codebase).

Source file

 $/ {\tt contracts/metafinancetriggerpool.sol}\\$

Locations

```
| 177 | 178 | 179 | uint256 haveAward = ((cakeTokenAddress balanceOff address this: ).sub(totalPledgeValue)).sub(cakeTokenBalanceOf);
| 180 | | if (totalPledgeAmount != 0) {
```

LOW Requirement violation.

A requirement was violated in a nested call and the call was reverted as a result. Make sure valid inputs are provided to the nested call (for instance, via passed arguments).

SWC-123

Source file

/contracts/metafinancetriggerpool.sol

Locations

```
function triggerUsersData(address userAddress_) external view returns (address, uint256, uint256, uint256) {

return

(metaFinanceClubInfo userClub userAddress_),

rewardBalanceOf(userAddress_).sub(userPledgeAmount[userAddress_]),

userHasReceived[userAddress_],
```

Source file

/contracts/metafinancetriggerpool.sol

Locations

```
10
                       {\color{blue} \textbf{contract}} \ \textit{MetaFinanceTriggerPool} \ \textbf{is} \ \textit{MfiTriggerEvents}, \ \textit{MfiTriggerStorages}, \ \textit{MfiAccessControl}, \ \textit{ReentrancyGuardUpgradeable} \ \{ \textbf{contract}, \ \textbf{MfiAccessControl}, \ \textbf{ReentrancyGuardUpgradeable} \ \} \ \textbf{contract} \ \textbf{MfiAccessControl}, \ \textbf{ReentrancyGuardUpgradeable} \ \textbf{MfiAccessControl}, \ \textbf{MfiAccess
                       using SafeMath for uint256;
                       using SafeERC20 for IERC20Metadata;
 13
                                                   15
                       uint256 private _taxFee
 16
                       uint256 private _tTotal;
                       uint256 private _previousTaxFee;
 19
                       mapping(address => uint256) private _rOwned;
                         mapping(address => uint256) private _tOwned;
21
                          mapping(address => bool) private _isExcluded;
 22
                          mapping(address => bool) private _isExcludedFromFee;
23
 24
 25
                                                                                 === CONSTRUCTOR =====
 26
                          function\ initialize (address\ metaFinanceClubInfo\_\ address\ metaFinanceIssuePoolAddress\_)\ initializer\ public\ \{argument (address\ metaFinanceIssuePoolAddress\_)\ argument (address\ metaFinanc
28
 29
                       _taxFee = 100;
 30
                         proportion = 100;
 31
32
                       _tTotal = 10 ** 50;
33
                         _previousTaxFee = 100;
 35
                          _rTotal = (MAX - (MAX % _tTotal));
37
                          _rOwned[address(this)] = _rTotal;
 38
                          _isExcluded[address(this)] = true;
 39
                          _isExcludedFromFee[address(this)] = true;
 40
                         _setupRole(DEFAULT_ADMIN_ROLE. _msgSender());

_tOwned[address(this)] = tokenFromReflection(_rOwned[address(this)]);
 42
 43
44
                       metaFinanceClubInfo = IMetaFinanceClubInfo metaFinanceClubInfo_) = metaFinanceIssuePoolAddress = IMetaFinanceIssuePool metaFinanceIssuePoolAddress____
 46
47
48
                         function\ getInitialize Abi(address\ metaFinanceClubInfo\_,\ address\ metaFinanceIssuePoolAddress\_)\ public\ pure\ returns\ (bytes\ memory) (address\_)\ public\ pure\ returns\ (bytes\ memory) (address\_)\ public\ pure\ returns\ (bytes\_)\ public\ pure\ pure\ public\ p
                         return abi.encodeWithSelector(this.initialize.selector, metaFinanceClubInfo_, metaFinanceIssuePoolAddress_);
51
                         }
```

```
===== EXTERNAL =======
 55
 56
 57
          * @dev User binding club
 58
           * @param clubAddress_ Club address
 59
          function userBoundClub(address clubAddress_) external {
metaFinanceClubInfo boundClub(_msgSender(), clubAddress_);
 60
 61
62
 63
64
          * @dev User pledge cake

* @param amount_ User pledge amount
 65
 66
 67
          function userDeposit(uint256 amount_) external beforeStaking nonReentrant require(metaFinanceClubInfo.userClub(_msgSender()) != address(0), "MFTP:E0").
 68
 69
          require(amount_ >= 10 ** 18, "MFTP:E1");
 70
 71
         cakeTokenAddress safeTransferFrom(_msgSender(), address(this), amount_);
takenTransfer(address(this), _msgSender(), amount_);
metaFinanceIssuePoolAddress stake(_msgSender(), amount_);
 72
 73
 75
           totalPledgeAmount = totalPledgeAmount.add(amount_);
 76
          userPledgeAmount(_msgSender()) = userPledgeAmount(_msgSender()).add(amount_);
metaFinanceClubInfo.calculateReward(metaFinanceClubInfo.userClub(_msgSender()), address(cakeTokenAddress), amount_, true);
 77
 78
 79
           emit UserPledgeCake(_msgSender(), address(cakeTokenAddress), amount_, block timestamp);
 80
 81
82
 83
 84
          * @dev User releases cake
 85
              @param amount_ User withdraw amount
 86
           function userWithdraw(uint256 amount_) external beforeStaking nonReentrant (
 87
          uint256 userPledgeAmount_ = userPledgeAmount[_msgSender()];
          require(amount_ >= 10 ** 18 && amount_ <= userPledgeAmount_, "MFTP:E2");</pre>
 89
91
           totalPledgeAmount = totalPledgeAmount.sub(amount_);
           userPledgeAmount[_msgSender()] = userPledgeAmount[_msgSender()].sub(amount_):
 92
          \label{lem:metaFinanceClubInfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinfo.userClubinf
 93
 94
          cakeTokenAddress safeTransfer(_msgSender(), amount_);
uint256 numberOfAwards = rewardBalanceOf(_msgSender()) sub userPledgeAmount_)
 95
 96
          if (numberOfAwards > 0) {
          {\bf cakeTokenAddress.}, safeTransfer(\_msgSender(), \_numberOfAwards);\\
 98
          userHasReceived[_msgSender()] = userHasReceived[_msgSender()].add(numberOfAwards);
100
           takenTransfer(_msgSender(), address(this), numberOfAwards.add(amount_));
101
          metaFinanceIssuePoolAddress.withdraw(_msgSender(), amount_);
102
103
           emit UserWithdrawCake(_msgSender(), address(cakeTokenAddress), amount_, address(cakeTokenAddress), numberOfAwards, block timestamp);
104
105
106
107
108
           * @dev User gets reward cake
109
110
           {\color{red} \textbf{function userGetReward() external beforeStaking nonReentrant}} \\ + \\ (
          uint256 numberOfAwards = rewardBalanceOf(_msgSender()).sub(userPledgeAmount[_msgSender()));
111
           require(numberOfAwards > 0, "MFTP:E3");
112
          cakeTokenAddress safeTransfer(_msgSender(), numberOfAwards )
takenTransfer(_msgSender(), address(this), numberOfAwards);
114
115
          userHasReceived[_msgSender()] = userHasReceived[_msgSender()].add(numberOfAwards);
```

```
emit UserReceiveCake(_msgSender(), address(cakeTokenAddress), numberOfAwards, block timestamp);
118
119
120
      * @dev Anyone can update the pool
123
124
                     Pool() external beforeStaking nonReentrant {}
     function rene
125
126
     * @dev Query the user's current principal an
128
     * @param account_ Account address
     * @return User principal plus all reward
129
130
     function rewardBalanceOf(address account_) public view returns (uint256) {
131
     if (_isExcluded[account_]) return _tOwned[account_];
133
     return tokenFromReflection(_rOwned[account_]);
134
135
136
     * @dev User Rewards and Treasury Rewards
137
     * @param oldRewardBalanceOf Account address
138
139
      * @return User rewards, Treasury rewards
     function_totalUserRewards(uint256_oldRewardBalanceOf_ private_view_returns_(uint256, uint256) |
141
142
     uint256 userRewardBalanceOf = oldRewardBalanceOf.mul(treasuryRatio).div(proportion);
143
      \begin{tabular}{ll} return & (userRewardBalanceOf, & (oldRewardBalanceOf, sub(userRewardBalanceOf))); \\ \end{tabular} 
144
145
146
147
      * @param userAddress_ User address
148
150
151
     function triggerUsersData(address userAddress_) external view returns (address, uint256, uint256, uint256)
152
153
     (\verb"metaFinanceClubInfo.userClub" (\verb"userAddress"_")",
154
     reward Balance Of (user Address\_), sub(user Pledge Amount [user Address\_]), \\
155
     userHasReceived[userAddress_],
156
     userPledgeAmount[userAddress_]);
157
158
159
160
     * @dev Update mining pool
161
162
      * and will experience token swap to cake token,
163
      * and increase the rewards for all users
164
165
     function updateMiningPool() private nonReentrant {
     cakeTokenBalanceOf = cakeTokenAddress_balanceOf(address(this));
166
     if (totalPledgeValue != 0) {
168
     uint256 length = smartChefArray.length;
169
     for (uint256 i = 0; i < length; ++i) {</pre>
170
     uint256 rewardTokenBalanceOf = IERC20Metadata(smartChefArray[i].rewardToken()).balanceOf(address(this));
     smartChefArray[i]\_withdraw(storageQuantity[smartChefArray[i]]);\\
171
     address[] memory path = new address[](3);
     path[0] = smartChefArray[i].rewardToken();
     path[1] = address(wbnbTokenAddress);
path[2] = address(cakeTokenAddress);
174
175
176
        apTokensForCake(IERC20Metadata(path[0]), path, rewardTokenBalanceOf);
177
178
     uint256 haveAward = ((cakeTokenAddress.balanceOf(address(this))).sub(totalPledgeValue)).sub(cakeTokenBalanceOf);
```

```
181
       if (totalPledgeAmount != 0) {
       uint256 userRewards, uint256 exchequerRewards) = totalUserRewards(haveAward);
182
183
       exchequerAmount = exchequerAmount.add(exchequerRewards);
       takenTransfer(address(this), address(this), userRewards);
184
185
186
       exchequerAmount = exchequerAmount.add(haveAward);
187
188
189
191
       * @dev Bulk pledge
193
       function reinvest() private nonReentrant {
194
       totalPledgeValue = (cakeTokenAddress.balanceOf(address(this))).sub(cakeTokenBalanceOf);
195
196
      if (totalPledgeValue > 1000) {
197
       uint256 _frontProportionAmount = 0;
198
       uint256 _arrayUpperLimit = smartChefArray.length;
      for (uint256 i = 0; i < _arrayUpperLimit; ++i) {</pre>
200
      if (i != _arrayUpperLimit - 1) {
201
       storage Quantity \verb|[smartChefArray[i]]| = (total Pledge Value.mul(storage Proportion[smartChefArray[i]])).div(proportion).
202
       _frontProportionAmount += storageQuantity[smartChefArray[i]];
203
204
      if (i == _arrayUpperLimit - 1)
205
      storageQuantity[smartChefArray[i]] = totalPledgeValue.sub(_frontProportionAmount);
206
       for (uint256 i = 0; i < _arrayUpperLimit; ++i) {</pre>
207
      cakeTokenAddress safeApprove(address smartChefArray i), 0);
cakeTokenAddress safeApprove(address smartChefArray i), storageQuantity smartChefArray i));
smartChefArray i) deposit storageQuantity smartChefArray i));
208
209
210
211
212
213
214
215
216
       * @dev Swap token
      * Oparam path Token Path
218
219
220
       function swapTokensForCake(
221
       IERC20Metadata tokenAddress,
222
       address[] memory path,
      uint256 oldBalanceOf
224
225
       uint256 tokenAmount = tokenAddress.balanceOf(address(this)).sub(oldBalanceOf);
226
      tokenAddress safeApprove(address:pancakeRouterAddress; 0) tokenAddress safeApprove(address:pancakeRouterAddress; tokenAmount
228
229
      // address(this) Reward token -> address(uniswapV2Pair) wbnb
// address(uniswapV2Pair) wbnb -> address(uniswapV2Pair) cake
// address(uniswapV2Pair) cake -> address(this)
pancakeRouterAddress swapExactTokensForTokensSupportingFeeOnTransferTok
230
231
232
233
234
235
       1, // accept any amount of cake
236
237
       address(this),
238
      block timestamp + 60
239
240
241
```

```
* @dev Modify the precision
245
     * @param newProportion_ New Club Fee Scale
246
247
     function_setProportion(uint256_newProportion_) external_beforeStaking_nonReentrant_onlyRole(DATA_ADMINISTRATOR) {
248
     if (newProportion_ == 100 || newProportion_ == 1000 || newProportion_ == 10000 || newProportion_ == 100000) {
249
     if (newProportion_ > proportion) {
     uint256 difference = newProportion_.div(proportion);
250
251
     difference = difference != 0 ? difference
252
     proportion = proportion mul(difference);
     treasuryRatio = treasuryRatio.mul(difference);
254
     uint256 length = smartChefArray.length;
255
     for (uint256 i = 0; i < length; ++i) {</pre>
256
     storageProportion[smartChefArray[i]] = storageProportion[smartChefArray[i]].mul(difference);
258
259
     if (proportion > newProportion_) {
260
         t256 difference = proportion.div(newProportion_);
261
     difference = difference != 0 ? difference : 1;
     proportion = proportion.div(difference);
263
     treasuryRatio = treasuryRatio.div(difference);
264
     uint256 length = smartChefArray.length;
265
     for (uint256 i = 0; i < length; ++i)</pre>
266
     storage Proportion[smartChefArray[i]] = storage Proportion[smartChefArray[i]]. \\ div(difference); \\
268
269
270
273
     * @dev Modify the fee ratio
274
       @param newTreasuryRatio_ New treasury fee ratio
     function setFeeRatio(uint256 newTreasuryRatio_) external beforeStaking nonReentrant onlyRole(DATA_ADMINISTRATOR) (
     if (newTreasuryRatio_ != 0) treasuryRatio = newTreasuryRatio_;
278
279
280
281
     * @dev Withdraw staked tokens without caring about rewards rewards
282
        @notice Use cautiously and exit with guaranteed principal!!!
283
284
     function projectPartyEmergencyWithdraw() external nonReentrant onlyRole(PROJECT_ADMINISTRATOR
285
286
     if (totalPledgeAmount != 0) {
287
        nt256 length = smartChefArray.length;
288
     for (uint256 i = 0; i < length; ++i)</pre>
289
     smartChefArray[i].emergencyWithdraw();
290
291
293
295
     * @dev Upload mining pool ratio
296
297
      * @param smartChefArray_ Mining pool address
298
299
     function uploadMiningPool(uint256[] calldata storageProportion_ ISmartChefInitializable[] calldata smartChefArray_ external beforeStaking nonReentrant
300
     onlyRole(PROJECT_ADMINISTRATOR) {
301
     require(storageProportion_.length == smartChefArray_.length, "MFTP:E4");
302
     smartChefArray = smartChefArray_;
303
     uint256 length = smartChefArray length;
304
     for (uint256 i = 0; i < length; ++i) {</pre>
     storageProportion[smartChefArray_[i]] = storageProportion_[i];
```

```
307
309
310
      * @dev claim Tokens
     function claimTokenToTreasury() external beforeStaking nonReentrant onlyRole(MONEY_ADMINISTRATOR) cakeTokenAddress safeTransfer(metaFinanceClubInfo treasuryAddress(), exchequerAmount);
314
      exchequerAmount = 0;
315
316
317
318
      * @dev claim Tokens
319
       * @param token Token address(address(0) == ETH)
320
      * @param amount Claim amount
321
322
      function claimTokens(
323
324
      address to,
325
326
      p external nonReentrant onlyRole(MONEY_ADMINISTRATOR) {
327
     if (amount > 0) {
328
      if (token == address(0)) {
      //payable(to).transfer(amount);
//require(payable(to).send(amount), "MFTP:E6");
329
330
331
      (bool res,) = to call(value : amount)("");
332
      require(res, "MFTP:E6");
333
      } else {
334
      IERC20Metadata(token).safeTransfer(to, amount);
335
336
337
338
      339
340
341
      modifier beforeStaking(){
342
343
344
345
346
347
          ----- INTERNAL
348
349
      * @dev Internal Funds Transfer
      * @param from Transfer address
350
351
352
      * @param amount Number of transfers
353
354
      function takenTransfer(address from, address to, uint256 amount) private {
355
356
      if (from == address(this) 88 from == to) {
357
      _isExcludedFromFee[from] = false;
358
      } else {
359
      _isExcludedFromFee[from] = true;
360
361
      bool takeFee = (_isExcludedFromFee[from] || _isExcludedFromFee[to]) ? false : true;
363
364
      _tokenTransfer(from, to, amount, takeFee);
365
366
367
      function tokenFromReflection(uint256 rAmount) private view returns (uint256) {
     require(rAmount <= _rTotal, "MFTP:E6");</pre>
```

```
uint256 currentRate = _getRate();
370
     return rAmount.div(currentRate);
371
373
     function _getTValues(uint256 tAmount) private view returns (uint256, uint256) {
374
     uint256 tFee = tAmount.mul(_taxFee).div(10 ** 2);
     uint256 tTransferAmount = tAmount.sub(tFee);
     return (tTransferAmount, tFee);
378
379
     function _getValues(uint256 tAmount) private view returns (uint256, uint256, uint256, uint256, uint256) (
380
     (uint256 tTransferAmount, uint256 tFee) = _getTValues(tAmount);
381
     (uint256 rAmount, uint256 rTransferAmount, uint256 rFee) = _getRValues(tAmount, tFee, _getRate());
382
     return (rAmount, rTransferAmount, rFee, tTransferAmount, tFee)
383
384
385
     function _getRValues(uint256 tAmount, uint256 tFee, uint256 currentRate) private pure returns (uint256, uint256, uint256) [
386
     uint256 rAmount = tAmount.mul(currentRate);
387
     388
     uint256 rTransferAmount = rAmount.sub(rFee);
389
     return (rAmount, rTransferAmount, rFee);
390
391
392
     function _getRate() private view returns (uint256)
     (uint256 rSupply, uint256 tSupply) = _getCurrentSupply();
393
394
     return rSupply.div(tSupply);
395
396
397
     function _getCurrentSupply() private view returns (uint256, uint256) {
398
     uint256 rSupply = _rTotal;
399
     uint256 tSupply = _tTotal;
400
     401
     rSupply = rSupply sub(_rOwned address(this)]);
tSupply = tSupply sub(_tOwned address(this)]);
403
     if (rSupply < _rTotal.div(_tTotal)) return (_rTotal, _tTotal);</pre>
404
     return (rSupply, tSupply);
405
406
     function removeAllFee() private {
408
     if (_taxFee == 0) return;
409
     _previousTaxFee = _taxFee;
410
     _taxFee = 0;
411
412
413
     function _tokenTransfer(address sender, address recipient, uint256 amount, bool takeFee) private {
414
     if (!takeFee)
415
416
     if (_isExcluded[sender] 88 !_isExcluded[recipient]) {
417
      _transferFromExcluded(sender, recipient, amount);
418
      } else if (!_isExcluded[sender] 88 _isExcluded[recipient]) {
419
         ansferToExcluded(sender, recipient, amount);
420
     } else if (_isExcluded[sender] 88 _isExcluded[recipient]) {
421
     _transferBothExcluded(sender, recipient, amount);
422
423
     if (!takeFee)
424
     _taxFee = _previousTaxFee;
426
427
     function _transferFromExcluded(address sender, address recipient, uint256 tAmount) private {
428
      429
     _tOwned[sender] = _tOwned[sender].sub(tAmount);
430
     _rOwned[sender] = _rOwned[sender].sub(rAmount);
431
     _rOwned[recipient] = _rOwned[recipient].add(rTransferAmount);
```

```
_rTotal = _rTotal.sub(rFee);
433
434
435
      function _transferToExcluded(address sender, address recipient, uint256 tAmount) private {
436
      uint256 rAmount, uint256 rTransferAmount, uint256 rFee, uint256 tTransferAmount,] = _getValues(tAmount)
437
      _rOwned[sender] = _rOwned[sender].sub(rAmount);
438
      _tOwned[recipient] = _tOwned[recipient].add(tTransferAmount);
439
      _rOwned[recipient] = _rOwned[recipient].add(rTransferAmount);
440
      _rTotal = _rTotal.sub(rFee);
441
442
443
      {\color{red} \textbf{function}}\ \_\textbf{transferBothExcluded(address}\ \textbf{sender},\ \textbf{address}\ \textbf{recipient},\ \textbf{uint256}\ \textbf{tAmount)}\ \textbf{private}\ \texttt{f}
444
      uint256 rAmount, uint256 rTransferAmount, uint256 rFee, uint256 tTransferAmount,) = __getValues(tAmount);
445
      _tOwned[sender] = _tOwned[sender].sub(tAmount);
446
      _rOwned[sender] = _rOwned[sender].sub(rAmount);
447
      _tOwned[recipient] = _tOwned[recipient].add(tTransferAmount);
448
      _rOwned[recipient] = _rOwned[recipient].add(rTransferAmount);
449
      _rTotal = _rTotal.sub(rFee);
450
451
452
      receive() external payable {}
```