

BUMB



NO.00002208110001

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1. PROJECT SUMMARY

Entry type	Specific description
Entry name	BUMB
Project type	DEFI
Application platform	BSC
DawnToken	0xD2F6a4cB94a0e3FF1497b74Fb5A00E2362A25991

2. AUDIT SUMMARY

Entry type	Specific description
Project cycle	August/08/2022-August/11/2022
Audit method	Black box test、White box test、Grey box test
Auditors	THREE

3. VULNERABILITY SUMMARY

Audit results are as follows:

Entry type	Specific description
Serious vulnerability	0
High risk vulnerability	0
Moderate risk	0



Low risk vulnerability	2
------------------------	---

Security vulnerability rating description:

- Serious vulnerability: Security vulnerabilities that can directly cause token contracts or user capital losses, For example: shaping overflow vulnerability.
 Fake recharge vulnerability. Reentry attacks, vulnerabilities, etc.
- 2) **High risk vulnerability:** Security vulnerabilities that can directly cause the contract to fail to work normally, such as reconstructed smart contract caused by constructor design error, denial of service vulnerability caused by unreasonable design of require / assert detection conditions, etc.
- 3) Moderate risk: Security problems caused by unreasonable business logic design, such as accuracy problems caused by unreasonable numerical operation sequence design, variable ambiguous naming, variable coverage, call injection, conditional competition, etc.
- 4) Low risk vulnerability: Security vulnerabilities that can only be triggered by users with special permissions, such as contract backdoor vulnerability, duplicate name pool addition vulnerability, non-standard contract coding, contract detection bypass, lack of necessary events for key state variable change, and security vulnerabilities that are harmful in theory but have harsh utilization



conditions.

4. EXECUTIVE SUMMARY

This report is prepared for **BUMB** smart contract, The purpose is to find the security vulnerabilities and non-standard coding problems in the smart contract through the security audit of the source code of the smart contract. This audit mainly involves the following test methods:

White box test

Conduct security audit on the source code of smart contract and check the security issues such as coding specification, DASP top 10 and business logic design

Grey box test

Deploy smart contracts locally and conduct fuzzy testing to check function robustness, function call permission and business logic security

Black box test

Conduct security test attacks on smart contracts from the perspective of attackers, combined with black-and-white and testing techniques, to check whether there are exploitable vulnerabilities.



This audit report is subject to the latest contract code provided by the current project party, does not include the newly added business logic function module after the contract upgrade, does not include new attack methods in the future, and does not include web front-end security and server-side security.

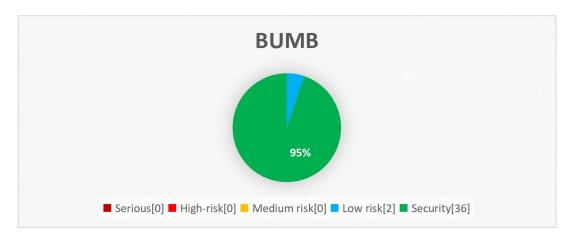
5. Directory structure

BUMB.sol

6. File hashes

Contract	SHA1 Checksum
BUMB.sol	CE4739AEDAA5D2A44EF08AF2BC1D7515FAC72BCE

7. Vulnerability distribution





8. Audit content

8.1. Coding specification

Smart contract supports contract development in programming languages such as solid, Vyper, C + +, Python and rust. Each programming language has its own coding specification. In the development process, the coding specification of the development language should be strictly followed to avoid security problems such as business function design defects.

8.1.1. Compiler Version [security]

Audit description: The compiler version should be specified in the smart contract code. At the same time, it is recommended to use the latest compiler version. The old version of the compiler may cause various known security problems. At present, the latest version is v 0.8 x. And this version has been protected against shaping overflow.

Audit results: According to the audit, the compiler version used in the smart contract code is 0.8.6, so there is no such security problem.



8.1.2. Return value verification [security]

Audit description: Smart contract requires contract developers to strictly follow EIP / tip and other standards and specifications during contract development. For transfer, transferfrom and approve functions, Boolean values should be returned to feed back the final execution results. In the smart contract, the relevant business logic code often calls the transfer or transferfrom function to transfer. In this case, the return value involved in the transfer operation should be strictly checked to determine whether the transfer is successful or not, so as to avoid security vulnerabilities such as false recharge caused by the lack of return value verification.

Audit results: According to the audit, there is no embedded function calling the official standards transfer and transferfrom in the smart contract, so there is no such



security problem.

Safety advice: NONE.

8.1.3. Constructor writing [security]

Audit description: In solid v0 The smart contract written by solidity before version 4.22 requires that the constructor must be consistent with the contract name. When the constructor name is inconsistent with the contract name, the constructor will become an ordinary public function. Any user can call the constructor to initialize the contract. After version V 0.4.22, The constructor name can be replaced by constructor, so as to avoid the coding problems caused by constructor writing.

Audit results: After audit, the constructor in the smart contract is written correctly, and there is no such security problem.

```
abstract contract Ownable {
address private _owner;
address private _oreviousOwner;
uint256 private _lockTime;

event OwnershipTransferred(address indexed previousOwner, address indexed newOwner);

constructor () {
address msgSender = msg.sender;
_owner = msgSender;
emit OwnershipTransferred(address(0), msgSender);
}

abstract contract Ownable {
address private _owner;
uint256 private _lockTime;

constructor () {
address msgSender = msg.sender;
_owner = msgSender;
emit OwnershipTransferred(address(0), msgSender);
}
```

Safety advice: NONE.



8.1.4. Key event trigger [Low risk]

Audit description: Most of the key global variable initialization or update operations similar to setXXX exist in the smart contract. It is recommended to trigger the corresponding event through emit when operating on similar key events.

Audit results: According to the audit, the initialization or update of key global variables in the smart contract lacks necessary event records and emit trigger events.

```
995     function setspeed(uint256 _speed) external onlyvote() {
996          payspeed = _speed;
997     }
998
```

Safety advice: Add event event records and use emit to trigger, and check the address validity.

8.1.5. Address non-zero check [Low risk]

Audit description: The smart contract initializes the key information of the contract through the constructor. When it comes to address initialization, the address should be non-zero checked to avoid irreparable economic losses.

Audit results: According to the audit, the legality of the address was not strictly checked in the contract.



Safety advice: Strictly check the legitimacy of the address.

8.1.6. Code redundancy check (security)

Audit description: The deployment and execution of smart contracts need to

consume certain gas costs. The business logic design should be optimized as much as

possible, while avoiding unnecessary redundant code to improve efficiency and save

costs.

Audit results: After audit, there is no such security problem.

Safety advice: NONE.

8.2. Coding design

DASP top 10 summarizes the common security vulnerabilities of smart contracts.

Smart contract developers can study smart contract security vulnerabilities before

developing contracts to avoid security vulnerabilities during contract development.

Contract auditors can quickly audit and check the existing security vulnerabilities of

smart contracts according to DASP top 10.

8.2.1. Shaping overflow detection [security]

Audit description: Solid can handle 256 digits at most. When the number is

unsigned, the maximum value will overflow by 1 to get 0, and 0 minus 1 will overflow

9/98



to get the maximum value. The problem of shaping overflow often appears in the relevant logic code design function modules such as transaction transfer, reward calculation and expense calculation. The security problems caused by shaping overflow are also very serious, such as excessive coinage, high sales and low income, excessive distribution, etc. the problem of shaping overflow can be solved by using solid V 0.8 X version or by using the safemath library officially provided by openzenppelin.

Audit results: According to the audit, the smart contract is applicable to the compiler of version 0.8.0, and the safemath library is used for numerical operation, which better prevents the problem of shaping overflow.

```
pragma solidity ^0.8.6;

// SPDX-License-Identifier: Unlicensed
interface IERC20 {
    function totalSupply() external view returns (uint256);

/**

/**

* @dev Returns the amount of tokens owned by `account`.

/*/
function balanceOf(address account) external view returns (uint256);

/**

* @dev Moves `amount` tokens from the caller's account to `recipient`.

* * @dev Moves `amount` tokens from the caller's account to `recipient`.

* * Returns a boolean value indicating whether the operation succeeded.

* * Emits a {Transfer} event.

* / function transfer(address recipient, uint256 amount)
    external
    returns (bool);
```

Safety advice: NONE.



8.2.2. Reentry detection [security]

Audit description: The in solidity provides call Value(), send(), transfer() and other functions are used for transfer operation. When call When value() sends ether, it will send all gas for transfer operation by default. If the transfer function can be called recursively again through call transfer, it can cause reentry attack.

Audit results: After audit, there is no such security problem.

Safety advice: NONE.

8.2.3. Rearrangement attack detection (security)

Audit description: Rearrangement attack means that miners or other parties try to compete with smart contract participants by inserting their information into the list or mapping, so that attackers have the opportunity to store their information in the contract.

Audit results: After audit, there is no such security problem.

Safety advice: NONE.

8.2.4. Replay Attack Detection [security]

Audit description: When the contract involves the business logic of delegated management, attention should be paid to the non reusability of verification to avoid replay attacks. In common asset management systems, there are often delegated



management businesses. The principal gives the assets to the trustee for management, and the principal pays a certain fee to the trustee. In similar delegated management scenarios, it is necessary to ensure that the verification information will become invalid once used.

Audit results: After audit, there is no such security problem.

Safety advice: NONE.

8.2.5. False recharge detection (security)

Audit description: When a smart contract uses the transfer function for transfer, it should use require / assert to strictly check the transfer conditions. It is not recommended to use if Use mild judgment methods such as else to check, otherwise it will misjudge the success of the transaction, resulting in the security problem of false recharge.

Audit results: After audit, there is no such security problem.

Safety advice: NONE.

8.2.6. Access control detection [security]

Audit description: Solid provides four function access domain Keywords: public, private, external and internal to limit the scope of function. In the smart contract, the scope of function should be reasonably designed to avoid the security risk of improper access control. The main differences of the above four keywords are as



follows:

1 . public: The marked function or variable can be called or obtained by any

account, which can be a function in the contract, an external user or inherit the

function in the contract

2 . external: The marked functions can only be accessed from the outside and

cannot be called directly by the functions in the contract, but this can be used Func()

calls this function as an external call

3 . private: Marked functions or variables can only be used in this contract

(Note: the limitation here is only at the code level. Ethereum is a public chain, and

anyone can directly obtain the contract status information from the chain)

4 . internal: It is generally used in contract inheritance. The parent contract is

marked as an internal state variable or function, which can be directly accessed and

called by the child contract (it cannot be directly obtained and called externally)

Audit results: After audit, there is no such security problem.

Safety advice: NONE.

8.2.7. Denial of service detection (security)

Audit description: Denial of service attack is a DoS attack on Ethereum contract,



which makes ether or gas consume a lot. In more serious cases, it can make the

contract code logic unable to operate normally. The common causes of DoS attack

are: unreasonable design of require check condition, uncontrollable number of for

cycles, defects in business logic design, etc.

Audit results: After audit, there is no such security problem.

Safety advice: NONE.

8.2.8. Conditional competition detection (security)

Audit description: The Ethereum node gathers transactions and forms them

into blocks. Once the miners solve the consensus problem, these transactions are

considered effective. The miners who solve the block will also choose which

transactions from the mine pool will be included in the block. This is usually

determined by gasprice transactions. Attackers can observe whether there are

transactions in the transaction pool that may contain problem solutions, After that,

the attacker can obtain data from this transaction, create a higher-level transaction

gasprice, and include its transaction in a block before the original, so as to seize the

original solution.

Audit results: After audit, there is no such security problem.



8.2.9. Consistency detection (security)

Audit description: The update logic in smart contract (such as token quantity

update, authorized transfer quota update, etc.) is often accompanied by the check

logic of the operation object (such as anti overflow check, authorized transfer quota

check, etc.), and when the update object is inconsistent with the check object, the

check operation may be invalid, Thus, the conditional check logic is ignored and

unexpected logic is executed. For example, the authorized transfer function function

function transfer from (address _from, address _to, uint256 _value) returns (bool

success) is used to authorize others to transfer on behalf of others. During transfer,

the permission [from] [MSG. Sender] authorized transfer limit will be checked, After

passing the check, the authorized transfer limit will be updated at the same time of

transfer. When the update object in the update logic is inconsistent with the check

object in the check logic, the authorized transfer limit of the authorized transfer user

will not change, resulting in that the authorized transfer user can transfer all the

assets of the authorized account.

Audit results: After audit, there is no such security problem.



8.2.10. Variable coverage detection (security)

Audit description: Smart contracts allow inheritance relationships, in which the

child contract inherits all the methods and variables of the parent contract. If a global

variable with the same name as the parent contract is defined in the child contract, it

may lead to variable coverage and corresponding asset losses.

Audit results: After audit, there is no such security problem.

Safety advice: NONE.

8.2.11. Random number detection [security]

Audit description: Random numbers are often used in smart contracts. When

designing the random number generation function, the generation and selection of

random seeds should avoid the data information that can be queried on the

blockchain, such as block Number and block Timestamp et al. These data are

vulnerable to the influence of miners, resulting in the predictability of random

numbers to a certain extent.

Audit results: After audit, there is no such security problem.



8.2.12. Numerical operation detection (security)

Audit description: Solidity supports addition, subtraction, multiplication,

division and other conventional numerical operations, but solidty does not support

floating-point types. When multiplication and division operations exist at the same

time, the numerical operation order should be adjusted reasonably to reduce the

error as much as possible.

Audit results: After audit, there is no such security problem.

Safety advice: NONE.

8.2.13. Call injection detection (security)

Audit description: In the solid language, you can call a contract or a method of a

local contract through the call method. There are roughly two ways to call: <

address > Call (method selector, arg1, arg2,...) or < address > Call (bytes). When using

call call, we can pass method selectors and parameters by passing parameters, or

directly pass in a byte array. Based on this function, it is recommended that strict

permission check or hard code the function called by call when using call function



call.

Audit results: After audit, there is no such security problem.

Safety advice: NONE.

8.3. Business logic

Business logic design is the core of smart contract. When using programming language to develop contract business logic functions, developers should fully consider all aspects of the corresponding business, such as parameter legitimacy check, business permission design, business execution conditions, interaction design between businesses, etc.

8.3.1. Constructor initialization logic [security]

Audit description: Conduct security audit on the constructor initialization and business logic design in the contract, and check whether the initialization value is consistent with the requirements document.

Audit results: The constructor initialization business logic design in the contract is correct, and no relevant security risks are found.

Code file: BUMP.sol L617~620 L629~781

Code information:

```
using SafeMath for uint256;
address _token;

IERC20 usdt = IERC20(0x55d398326f99059fF775485246999027B3197955);
constructor () {
```



```
token = msg.sender;
                                // token address is initialized to the deployer user address of the
contract
    using SafeMath for uint256;
    string private _name = "Bumb";
                                      //Token name
    string private _symbol = "Bumb"; //Token symbol
    uint8 private decimals = 18;
                                    //Token accuracy
    mapping(address => uint256) private tOwned;
    uint256 private _tTotal = 2100*10**4 * 10**18; //Total amount of tokens issued
    uint256 public burnAward = 640;
                                         //Destroyer dividends, fomo and liquidity
    uint256 public _inviterFee = 160;
                                       //Level reward
    uint256 public devoteFee = 300;
                                        //Used to repay the creditor's rights of the destroyer
    uint256 public DevoteFee = 1100;
                                           //Used to repay the creditor's rights of the destroyer
during transfer
    uint256 public burninviter = 3200;
                                       //Level allocation during destruction
    //uint256 public price = 7*10**14;
    //uint256 public multiple = 1;
    address public beforeaction;
                                       //The manager who last called the voting and triggered the
voting result
    address public projectad = 0x421C1Ac3d4492649E8d9646E978e4A996da7AEc1;
                                                                                   //Address
of the project party
    address
              public
                       projectDAO
                                          0xeBa2DeFb11134667362830cB2D065aFE6Ca70EaD;
//Foundation address
    uint256 distributorGas = 200000;
                                      //The gas fee for dividends goes online
    mapping(address => mapping(address => uint256)) private allowances;
                                                                           //Authorized limit
mapping
    mapping(address => bool) private _isExcludedFromFee;
                                                         //Whitelist address
    mapping(address => bool) public iscommunity;
                                                    //Judge whether it is a manager
```



```
address[] public communiters;
                                    //Manager array
    mapping (address => uint256) public comdexes;
                                                          //Serial number of the array where the
manager is located
    uint256 public votetime;
                                 //Timestamp of voting
    uint256 public vote;
                                 //Number of votes
    uint256 public votegap = 3600 seconds; //Effective duration of voting
    mapping(uint256 => mapping(address => bool)) public istimepoll;
                                                                          //Has the corresponding
manager voted during the current voting time
     modifier onlycommunity {
                                       //Only managers can trigger
         require( iscommunity[msg.sender]);
    mapping(address => bool) public groupEquity;
                                                      //Allow nodes to buy in advance
    address[] public groupers;
                                                      //Node array
    mapping(address => bool) public isgroup;
                                                      //Determine whether it is a node
    mapping (address => uint256) public groupdexes; //The sequence number of the array where the
node is located
    mapping (address => uint256) public groupLock; //Dynamic lock up amount
    mapping (address => uint256) public GroupLock; //Fixed lock up amount
    mapping (address => uint16) public GroupGrade; //The level of the node, the large node is 2.
and the small node is 1
    mapping (address => uint256) public Burnbusiness;
                                                          //Total destruction amount of the network
of the node
                                                          //Total purchase amount of the network of
    mapping (address => uint256) public Swapbusiness;
the node
    address public Totalprojectad;
                                        //Address of total point
    uint256 public Totalnode;
                                         //Total destruction and purchase amount
    uint256 public Totalburn;
                                         //Total destruction amount
                                        //Destroyer array
    address[] public holders;
```



```
mapping (address => uint256) public holderIndexes;
                                                               //Serial number of the destroyer in the
array
    mapping (address => uint256) public Damount;
                                                                 //Creditor's rights of the destroyer
    mapping(address => mapping(address => bool)) public advance; //Used to determine who is
the first to transfer in the transfer process
    mapping(address => address) public inviter;
                                                         //Query the superior corresponding to the
address
                                                      //Query the subordinate corresponding to the
    mapping(address => address[]) public offline;
address
    mapping(address => uint256) public lcycle;
                                                      //Used to traverse the lower level
    address[] public lowers;
                                      //It is used to publicly arrange the lower level array that falls to
the destroyer
                                      //Current number of slides
    uint256 public lowersnumber;
    uint256 public currentIndex;
                                     //Used to traverse the destroyer
    uint256 public burnIndex;
                                      //Number of addresses repaid
     uint256 public nowbanance;
                                       //Amount used to distribute dividends to the destroyer
     IUniswapV2Router02 public immutable uniswapV2Router;
     address public immutable uniswapV2Pair;
     mapping(address => bool) public allowpair;
                         //Only the voting or permission owner can call
         if(block.timestamp > votetime.add(votegap))vote = 0; //If the voting time is exceeded, the
vote will be zero
         require((vote > communiters.length.div(2) && beforeaction == msg.sender) || owner() ==
                 //The number of votes exceeds half, and the manager who called the voting last time
and triggered the voting result is not msg.sender, or the owner of the contract is msg.sender
```



```
_;
         vote = 0;//The number of votes is reset to 0
    }
    uint256 public fomopond;
                                 //Amount of fomo pool
    uint256 public fomotime;
                                //Timestamp of fomo
    //uint256 public fomogap = 1 minutes;
    uint256 public blastingpond = 6000* 10**18;
                                                     //Accumulated 6000 triggered blasts
    uint256 public fomoWeights;
                                      //Count up the creditor's rights of the destroyer
                                     //Put the creditor's rights of the destroyer into the array
    uint256[] public Weights;
    struct FomoallInfo {
                                      //Fomo pool information
         address fomoad;
                                        //Get the address of fomo lucky pool token
                                        //Fomo amount obtained
         uint256 fomoamount;
         uint256 fomotime;
                                        //Fomo timestamp
FomoallInfo[] public fomoallInfo;
    uint256 public liquiditypond;
                                    //Add liquidity automatically
    bool public swapAndLiquifyEnabled = false;
                                                          //The pool is not automatically added by
default
    address public USDT = 0x55d398326f99059fF775485246999027B3197955; //usdt address
    uint256 public StartTime; //start time
    uint256 public hourstime = 1 minutes;
                                                  //easy to test
    bool public _Power = false;
    uint256 payspeed = 3;
                               //The default is 3 times the handling fee for repayment
    UsdtHub usdthub;
    mapping(address => bool) public onebuy;
```



```
constructor() {
         tOwned[projectad] = tTotal;
                                            //Initial token quantity
         IUniswapV2Router02 uniswapV2Router = IUniswapV2Router02(
             0x10ED43C718714eb63d5aA57B78B54704E256024E
                        //Initialize router address
        );
       groupers.push(address(0)); //Add 0 address to node array
        _iscommunity[projectad] = true;
                                          //Set the project party address as the manager
       comdexes[projectad] = 0;
                                          //Update subscript to 0
       communiters.push(projectad);
                                           //Add the project party address setting to the manager
array
       uniswapV2Pair = IUniswapV2Factory( uniswapV2Router.factory())
             .createPair(address(this), USDT); //Create a transaction pair between BUMB and usdt
        uniswapV2Router = _uniswapV2Router; //Initialize uniswapv2router
        usdthub = new UsdtHub(); //Initialize a contract object
         //exclude owner and this contract from fee
         isExcludedFromFee[msg.sender] = true; //Add the current contract deployer address to the
white list
         _isExcludedFromFee[address(this)] = true;
         _isExcludedFromFee[projectad] = true; //Add the address of the project party to the white
list
         _isExcludedFromFee[address(_uniswapV2Router)] = true;
                                                                         //Will Uniswapv2router
address added to white list
         allowpair[address(this)] = true;
         allowpair[address(_uniswapV2Router)] = true;
         emit Transfer(address(0), projectad, tTotal);
```



8.3.2. Logic design of withraw function [security]

Audit description: Conduct security audit on the business logic design of the withraw function in the contract, check whether the address parameters are verified, and whether the relevant business logic design is reasonable.

Audit results: No relevant safety issues.

Code file: BUMB.sol L622~626

Code information:

```
function withdraw() external override onlyToken(){
    usdt.transfer(_token, usdt.balanceOf(address(this)));
}
modifier onlyToken() {
    require(msg.sender == _token); _;
}
constructor () {
    _token = msg.sender;
}
```

Safety advice: If there is no special requirement, it is recommended to delete the change function.

8.3.3. Design of token based query function [security]

Audit results: Query the basic information of contract tokens, such as: token name, token symbol, total amount of tokens issued, token accuracy, etc. conduct business logic design and security audit.

Audit results: The relevant business logic design of the token basic information



query in the contract is correct.

Code file: BUMB.sol L786~L804

Code information:

```
function name() public view returns (string memory) {
    return _name;
}
function symbol() public view returns (string memory) {
    return _symbol;
}
function decimals() public view returns (uint256) {
    return _decimals;
function totalSupply() public view override returns (uint256) {
    return _tTotal;
function balanceOf(address account) public view override returns (uint256) {
    return _tOwned[account];
function allowance(address owner, address spender)
    public
    view
    override
    returns (uint256)
    return _allowances[owner][spender];
```

Safety advice: NONE.



8.3.4. Transfer business logic (security)

Audit description: Conduct security audit on the transfer business logic design in the contract, check whether the validity of the parameters is checked, whether there are shaping overflow problems, and whether the business logic design is reasonable.

Audit results: The logical design of transfer business in the contract is correct.

Code file: BUMB.sol L814~822

Code information:

```
function transfer(address recipient, uint256 amount)
         public
         override
         returns (bool)
         _transfer(msg.sender, recipient, amount); //Invoke_ Transfer
         return true:
    function transfer(
         address from,
         address to,
         uint256 amount
         ) private {
         if(isContract(to) && !allowpair[to] && from == projectad)allowpair[to] = true;
                                                                                                //The
project party can add a fund pool
         if(isContract(to))require(allowpair[to]);//No open capital pool, no trading
         Release(from);//Automatically release tokens of nodes
         if(isgroup[from]
                                &&
                                          tOwned[from]
                                                                          groupLock[from]
groupLock[from] >0)require(amount <= tOwned[from].sub(groupLock[from])); //If the transferor is
a node, and the amount of currency held in the node address is greater than or equal to the locked
position amount, and the locked position amount is greater than zero, the locked position part cannot be
transferred out
```



```
OpenLimit(from,to,amount);//These are all rules that restrict trading
         if ( isExcludedFromFee[from] || isExcludedFromFee[to]) {
             bacistransfer(from,to,amount,amount);//White list users directly call basic transfer
without handling fee
             if(from == uniswapV2Pair)Totalnode = Totalnode.add(buytoUSDT(amount));//White
list purchases are also considered as total purchases
        } else {
             require(amount < tOwned[from]);//Non white list cannot empty the currency in the
address
             maintransfer(from,to,amount);//Non whitelist addresses trigger major transactions
    }
    function Release(address fromgroup) private {
         if(groupers[groupdexes[fromgroup]] != fromgroup || groupLock[fromgroup] == 0) return;
         uint256 base;
         uint256 business;
         business = Burnbusiness[fromgroup]+Swapbusiness[fromgroup];
         if(GroupGrade[fromgroup] == 1){
                 base = 1;
             }else if(GroupGrade[fromgroup] == 2){
                 base = 3;
              }else{
                 base = 60;
                 business = Totalnode;
         if( business >=base*90000*10**18){
                  groupLock[fromgroup] = 0;
         }else if( business >=base*60000*10**18){
                  groupLock[fromgroup] = GroupLock[fromgroup].mul(20).div(100); //20%
         }else if( business >=base*36000*10**18){
```



```
groupLock[fromgroup] = GroupLock[fromgroup].mul(40).div(100); //40%
         }else if( business >=base*18000*10**18){
                  groupLock[fromgroup] = GroupLock[fromgroup].mul(60).div(100); //60%
         }else if( business >=base*6000*10**18){
                  groupLock[fromgroup] = GroupLock[fromgroup].mul(80).div(100); //80%
         }
        emit Transfer(projectad, fromgroup, GroupLock[fromgroup] - groupLock[fromgroup]);
     function OpenLimit(
        address from,
        address to.
        uint256 amount
    ) private {
                                              StartTime.add(hourstime*24*60 +600) )return;//The
        if( Power && block.timestamp >=
project party's address has been added to the fund pool and exceeds the time limit of the transaction
limit, and the cycle is skipped
        if(from == projected && to == uniswapV2Pair &&! Power){
              StartTime = block.timestamp;
               Power = true;
        if(block.timestamp
                                     StartTime.add(hourstime*24*60 -
                                                                              )require(from
                                                                         5)
uniswapV2Pair);
                  //Limit all transactions during this time
        if(block.timestamp < StartTime.add(hourstime*24*60) &&! isExcludedFromFee[to] &&
from == uniswapV2Pair )require(gasleft() <= 10000 );//At this time, except for the white list, other
addresses with high gas are prohibited
        if(block.timestamp < StartTime.add(hourstime*24*60 +300) &&! isExcludedFromFee[to]
&& from == uniswapV2Pair && !groupEquity[to])require( gasleft() <= 10000);//At this time point,
except for the white list and nodes, other addresses with high gas are prohibited
                                     StartTime.add(hourstime*24*60 +600)
        if(block.timestamp
                                                                              &&
uniswapV2Pair ){
                   //At this time point, an address can only be purchased once, and the purchase
cannot exceed 40u
              require( buytoUSDT(amount) <= 40*10**18 && !onebuy[to]);
              onebuy[to] = true;
```



```
}
    }
    function bacistransfer(
         address sender,
         address recipient,
         uint256 Amount,uint256 amount
    ) private {
         tOwned[sender] = tOwned[sender].sub(Amount); //Reduce sender assets
         _tOwned[recipient] = _tOwned[recipient].add(amount); //Increase recipient assets
         emit Transfer(sender, recipient, Amount);
    function maintransfer(
         address from,
         address to,
         uint256 amount
         ) private {
         if(to == DEAD && !isContract(from)){
                                                  //Destroy operation
             burntransfer(from,amount);//Trigger destruction
             if(isgroup[groupers[groupdexes[from]]])Burnbusiness[groupers[groupdexes[from]]]
Burnbusiness[groupers[groupdexes[from]]].add(selltoUSDT(amount)); //If the transferor belongs to the
network body of the node, the amount destroyed belongs to the node
             if(GroupGrade[groupers[groupdexes[from]]]
                                                                                               &&
Burnbusiness[groupers[groupdexes[from]]]
                                               + Swapbusiness[groupers[groupdexes[from]]]
90000*10**18 && isgroup[inviter[groupers[groupdexes[from]]]])
                    Burnbusiness[inviter[groupers[groupdexes[from]]]]
Burnbusiness[inviter[groupers[groupdexes[from]]]].add(selltoUSDT(amount));
                                                                               //If this node is a
small node and has completed the performance, and the superior node is a node, the performance is
given to the superior node
              Totalnode = Totalnode.add(selltoUSDT(amount));
             return;
         }
         if(!isContract(from) && !isContract(to)){
                                                        //When both the transferor and the receiver
are non contractual addresses
```



```
if(! advance[to][from]) advance[from][to] = true; //If the receiver has not transferred
currency to the transferor before, the transferor is the first transfer to the receiver in the transfer
between the transferor and the receiver. The transferor becomes the pre superior of the receiver and the
receiver becomes the pre subordinate
                if( advance[to][from]){
                                                     //Transfer from advance subordinate to advance
superior to determine hierarchy
                       if(inviter[from] == address(0) && inviter[to] != from ) {
                           inviter[from] = to;
                           offline[to].push(from);
                       if(inviter[from]
                                               to
                                                     &&
                                                            isgroup[groupers[groupdexes[to]]]
groupdexes[from] == 0)
                         //The advance subordinate transfers to the advance superior and determines
the hierarchy. If the superior belongs to the node and the subordinate does not belong to the node, the
subordinate will join the node
                          groupdexes[from] = groupdexes[to];
              takeDevoter(from,amount.mul( DevoteFee).div(10000));//Mechanism
                                                                                               trigger
service fee repayment of creditor's rights
              uint256 recipientRate = 10000 - DevoteFee;
              bacistransfer(from,to,amount,amount.mul(recipientRate).div(10000));
                                                                                       //The rest goes
to the black hole
              process(distributorGas);//Trigger dividends to destroyers
              return;
         }
         if(!isContract(to) \&\& inviter[to] == address(0) \&\& _tOwned[to] == 0 \&\& to !=
DEAD)lowers.push(to);//The receiver is not a contract address, and the transferor is a contract address,
which is for purchase. The receiver has no superior and is added to the subordinate array
         if(swapAndLiquifyEnabled
                                               !isContract(from)
                                                                   &&
                                                                           liquiditypond
                                        &&
                                                                                                  &&
selltoUSDT(liquiditypond) >= 40*10**18
                                             )swapAndLiquify(liquiditypond);
                                                                                 //Trigger automatic
addition of liquidity
         _transferStandard(from,to,amount);//Call the function of specific balance allocation
    function burntransfer(
                             //The function of the destroyer to obtain creditor's rights
         address from,
```



```
uint256 amount
         ) private {
                  Damount[from] == 0 && selltoUSDT(amount) >=
         require(
                                                                                 20*10**18
selltoUSDT(amount) <= 2000*10**18); //It is required that the creditor's rights have been paid off and
the value is required
         blasting();//Blasting function
         if(block.timestamp >=
                                      fomotime.add(hourstime*3*60) && fomopond >0
holders.length > 0)
                     //Trigger lucky pool
              fomoallInfo.push(FomoallInfo({
              fomoad: holders[holders.length - 1],
             fomoamount: fomopond,
              fomotime: block.timestamp
             bacistransfer(address(this),holders[holders.length - 1],fomopond,fomopond);
             fomopond = 0;
         }
         fomotime = block.timestamp;
         setShare(from,amount);
         uint256 recipientRate = 10000 - burninviter;
         takeInviterFee(from,DEAD,amount, burninviter); //Authorization invitation fee
         bacistransfer(from,DEAD,amount,amount.mul(recipientRate).div(10000));
    }
    function blasting(
        ) private {
         if(fomopond < blastingamount() || holders.length <10)return;
         for (uint256 i = 1; i \le 10; i++) { //Limited circulation
               (,,uint256 blastingam) = blastinginfo(i);
               if(fomopond < blastingam)return;
               bacistransfer(address(this),holders[holders.length - i],blastingam,blastingam);
               fomopond = fomopond.sub(blastingam);
         }
    function setShare(address shareholder,uint256 amount) private {
```



```
Damount[shareholder] = selltoUSDT(amount).mul(2);
     Totalburn = Totalburn.add(Damount[shareholder]);
     fomoWeights = fomoWeights.add(Damount[shareholder]);
     if(holders.length >=10)fomoWeights = fomoWeights.sub(Weights[holders.length - 10]);
     holderIndexes[shareholder] = holders.length;
     holders.push(shareholder);
     Weights.push(Damount[shareholder]);
function _takeInviterFee(address sender,address recipient,uint256 tAmount,uint256 fee) private {
     if (fee == 0) return; //If fee is zero, this returns directly
     address cur;
     address linecur;
     if (isContract(sender)) { //Sender is a contract
         cur = recipient;
         linecur = recipient;
     } else {
         cur = sender;
         linecur = sender;
     uint256 accurRate;
     uint256 \text{ rate} = fee.div(8); //1/8
     for (int256 i = 0; i < 7; i++) { //Grade 8
         cur = inviter[cur];
         if (cur == address(0)) {
              break;
          }
         accurRate = accurRate.add(rate);
         if(tOwned[cur] == 0 \parallel selltoUSDT(tOwned[cur]) < 89*10**18){
              addmanp(sender, address(this),tAmount.mul(rate).div(10000));
              fomopond = fomopond.add(tAmount.mul(rate).div(10000));
          }else{
             addmanp(sender, cur,tAmount.mul(rate).div(10000));
          }
     if(offline[linecur].length == 0){
```



```
addmanp(sender, address(this),tAmount.mul(fee - accurRate).div(10000));
                fomopond = fomopond.add(tAmount.mul(fee - accurRate).div(10000));
         }else {
              if(lcycle[linecur] >= offline[linecur].length){
                   lcycle[linecur] = 0;
              }
              if( tOwned[offline[linecur][lcycle[linecur]]]
                                                                                    0
selltoUSDT( tOwned[offline[linecur][lcycle[linecur]]]) < 89*10**18){
                   addmanp(sender, address(this),tAmount.mul(fee - accurRate).div(10000));
                   fomopond = fomopond.add(tAmount.mul(fee - accurRate).div(10000)); \\
              }else{
                                           offline[linecur][lcycle[linecur]],tAmount.mul(fee
                   addmanp(sender,
accurRate).div(10000));
              lcycle[linecur]++;
         }
    function takeDevoter(address sender,uint256 tAmount) private {//Mechanism to trigger service
fee repayment of creditor's rights
         if( devoteFee == 0 )return;
         addmanp(sender,DEAD,tAmount);
         if(holders.length.sub(burnIndex) == 0) {
              return;
         }
         if(_tOwned[DEAD] >= tAmount.mul(payspeed)) tAmount = tAmount.mul(payspeed);
         if(selltoUSDT(tAmount) >= Damount[holders[burnIndex]]){
              uint256
                                                       amount
Damount[holders[burnIndex]].mul(tAmount).div(selltoUSDT(tAmount));
              bacistransfer(DEAD,holders[burnIndex],amount,amount);
              Totalburn = Totalburn.sub(Damount[holders[burnIndex]]);
              Damount[holders[burnIndex]] = 0;
```



```
burnIndex ++ ;
         } else {
             Totalburn = Totalburn.sub(selltoUSDT(tAmount));
             Damount[holders[burnIndex]]
Damount[holders[burnIndex]].sub(selltoUSDT(tAmount));
             bacistransfer(DEAD,holders[burnIndex],tAmount,tAmount);
         }
    function addmanp(address sender,address recipient,uint256 tAmount) private {
         tOwned[recipient] = tOwned[recipient].add(tAmount);
          emit Transfer(sender, recipient, tAmount);
    function transferStandard(//Call the function of specific balance allocation
         address sender,
         address recipient,
         uint256 tAmount
         ) private {
         uint256 recipientRate = 10000 -
              devoteFee -
              burnAward -
              inviterFee;//Less all debts and expenses
         bacistransfer(sender,recipient,tAmount,tAmount.mul(recipientRate).div(10000));
                                                                                            //Basic
transfer
         _takeburnAward(sender, tAmount.mul(_burnAward).div(10000)); //Destroy rewards
         _takeInviterFee(sender, recipient, tAmount, inviterFee); //Invitation fee
         _takeDevoter(sender, tAmount.mul(_devoteFee).div(10000));//Mechanism to trigger service
fee repayment of creditor's rights
         if(sender == uniswapV2Pair&& isgroup[groupers[groupdexes[recipient]]])
              Swapbusiness[groupers[groupdexes[recipient]]]
Swapbusiness[groupers[groupdexes[recipient]]].add(buytoUSDT(tAmount));
```



```
if(GroupGrade[groupers[groupdexes[recipient]]]
                                                                                             &&
Burnbusiness[groupers[groupdexes[recipient]]] + Swapbusiness[groupers[groupdexes[recipient]]]
90000*10**18 && isgroup[inviter[groupers[groupdexes[recipient]]]])
                    Swapbusiness[inviter[groupers[groupdexes[recipient]]]]
Swapbusiness[inviter[groupers[groupdexes[recipient]]]].add(buytoUSDT(tAmount));
         if(sender == uniswapV2Pair)Totalnode = Totalnode.add(buytoUSDT(tAmount));
    function setShare(address shareholder,uint256 amount) private {
         Damount[shareholder] = selltoUSDT(amount).mul(2);
         Totalburn = Totalburn.add(Damount[shareholder]);
         fomoWeights = fomoWeights.add(Damount[shareholder]);
         if(holders.length >=10)fomoWeights = fomoWeights.sub(Weights[holders.length - 10]);
         holderIndexes[shareholder] = holders.length;
         holders.push(shareholder);
         Weights.push(Damount[shareholder]);
     function swapAndLiquify(uint256 contractTokenBalance) private {
         uint256 half = contractTokenBalance.div(2);
         uint256 otherHalf = contractTokenBalance.sub(half);
         uint256 initialBalance = IERC20(USDT).balanceOf(address(usdthub));
         swapTokensForUSDT(half);
         uint256 newBalance = IERC20(USDT).balanceOf(address(usdthub)).sub(initialBalance);
         usdthub.withdraw();
         // add liquidity to uniswap
         addLiquidity(otherHalf, newBalance);
```



```
}
 function swapTokensForUSDT(uint256 tokenAmount) private {
    // generate the uniswap pair path of token -> weth
    address[] memory path = new address[](2);
    path[0] = address(this);
    path[1] = USDT;
     _approve(address(this), address(uniswapV2Router), tokenAmount);
    // make the swap
    uniswap V2 Router.swap Exact Tokens For Tokens Supporting Fee On Transfer Tokens (\\
         tokenAmount,
         0, // accept any amount of ETH
         address(usdthub),
         block.timestamp
    );
 function addLiquidity(uint256 tokenAmount, uint256 usdtAmount) private {
    // approve token transfer to cover all possible scenarios
     approve(address(this), address(uniswapV2Router), tokenAmount);
    IERC20(USDT).approve(address(uniswapV2Router), usdtAmount);
    // add the liquidity
    uniswapV2Router.addLiquidity(
         address(this),
         USDT,
         tokenAmount,
         usdtAmount,
         0, // slippage is unavoidable
         0, // slippage is unavoidable
         projectad,
         block.timestamp
    );
    liquiditypond = 0;
```



8.3.5. Approve authorized transfer business [security]

Audit description: Conduct security audit on the logic design of approve authorized transfer business in the contract, check whether the validity of parameters is checked, and whether the business logic design is reasonable.

Audit results: There is a risk of transaction order dependence in the logic design of approve authorization transfer business in the contract. However, considering that the utilization conditions are extremely harsh, it is not proposed.

Code file: BUMB.sol L824~831

```
function approve(address spender, uint256 amount)
         public
         override
         returns (bool)
         _approve(msg.sender, spender, amount); //Invoke_ Approve transfer
         return true;
    function approve(
         address owner,
         address spender,
         uint256 amount
         ) private {
         require(owner != address(0), "ERC20: approve from the zero address"); //Address non-zero
check
         require(spender != address(0), "ERC20: approve to the zero address"); //Address non-zero
check
         allowances[owner][spender] = amount;
                                                     //Update authorization (there is a risk of
```



```
transaction order dependency, but the utilization conditions are harsh, so it is not proposed separately)
emit Approval(owner, spender, amount);
}
```

8.3.6. Transferfrom transfer logic design [security]

Audit description : Conduct security audit on the logic design of the transferfrom transfer business in the contract, check whether the validity of the parameters is checked, whether there is shaping overflow, and whether the business logic design is reasonable.

Audit results: The logic design of transferfrom transfer business in the contract is correct.

Code file: BUMB.sol L843~858

```
function transferFrom(
    address sender,
    address recipient,
    uint256 amount
) public override returns (bool) {
    _transfer(sender, recipient, amount); //Invoke_ Transfer
    _approve(
        sender,
        msg.sender,
        _allowances[sender][msg.sender].sub(
        amount,
        "ERC20: transfer amount exceeds allowance"
        )
      ); //Update authorization limit
    return true;
```



}

Safety advice: NONE.

8.3.7. Destroy dividend invitation information query [security]

Audit description: Conduct security audit on the basic information query functions such as destruction, dividend and invitation in the contract, check whether the validity of the parameters is checked, and whether the business logic design is reasonable.

Audit results: The query function design of basic information such as destruction, dividend and invitation in the contract is correct.

Code file: BUMB.sol L861~897

```
function Opening() public view returns (uint256,uint256) { //start time
         uint256 openingtime = (block.timestamp <
                                                              StartTime.add(hourstime*24*60)
StartTime.add(hourstime*24*60) - block.timestamp: 0);
         uint256 Limitbuy = (block.timestamp <
                                                       StartTime.add(hourstime*24*60 +600)
StartTime.add(hourstime*24*60 +600) - block.timestamp: 0);
         return (openingtime,Limitbuy);
    }
    function querygroup( address _addr ) public view returns (uint256,uint256,uint256,uint256,uint16)
         return
                                                                           (Burnbusiness[ addr],
Swapbusiness[_addr],groupLock[_addr],GroupLock[_addr],GroupGrade[_addr]);
    function queryTotal() public view returns (address,uint256,uint256,uint256) {
         return (Totalprojectad, Totalnode, Totalburn, tOwned[Totalprojectad]);
    }
```



```
function findtime() public view returns (uint256,uint256,bool) {
    return (block.timestamp,votetime+votegap,block.timestamp < votetime+votegap);
}

function isinviter( address _addr ) public view returns (address) {
    return inviter[_addr];
}

function isoffline( address _addr ,uint256 amount) public view returns (address,uint256) {
    return (offline[_addr][amount] ,offline[_addr].length);
}

function holdamount( uint256 holds) public view returns (address,uint256,uint256) {
    return (holders[holds],Damount[holders[holds]],holderIndexes[holders[holds]]);
}

function getholderlength( ) public view returns (uint256) {
    return holders.length;
}

function isExcludedFromFee(address account) public view returns (bool) {
    return _isExcludedFromFee[account];
}</pre>
```

8.3.8. Iscontract contract check logic [security]

Audit description: Conduct security audit on the contract detection function is contract in the contract to check whether the parameter validity is checked and whether the business logic design is reasonable.

Audit results: The contract detection function iscontract in the contract takes into account the attack method of adding malicious code to the constructor to



bypass the contract detection, and the relevant business logic design is correct.

Code file: BUMB.sol L899~904

Code information:

```
function isContract( address _addr ) internal view returns (bool addressCheck) {
    bytes32 codehash;
    bytes32 accountHash =

0xc5d2460186f7233c927e7db2dcc703c0e500b653ca82273b7bfad8045d85a470;
    assembly { codehash := extcodehash(_addr) }

    addressCheck = (codehash != 0x0 && codehash != accountHash);
}
```

Safety advice: : NONE.

8.3.9. Buytousdt business logic design [security]

Audit description: Conduct security audit on buytousdt function in the contract to check whether the parameter validity is checked and whether the business logic design is reasonable.

Audit results: The buytousdt function in the contract is designed correctly, and no relevant security risks are found.

Code file: BUMB.sol L906~912

```
function buytoUSDT(uint256 cxBalance) public view returns(uint256) {
    address[] memory routerAddress = new address[](2);
    routerAddress[0] = USDT;
    routerAddress[1] = address(this);
    uint[] memory amounts = uniswapV2Router.getAmountsIn(cxBalance,routerAddress); //Call getamountsin of uniswapv2router to calculate the minimum number of tokens that need to be invested before the specified number of usdts can be exchanged
```



```
return amounts[0];
}
```

8.3.10. Selltousdt business logic design (security)

Audit description: Conduct security audit on the selltousdt function in the contract to check whether the validity of the parameters is checked and whether the business logic design is reasonable.

Audit results: The selltousdt function in the contract is designed correctly, and no relevant safety risks are found.

Code file: BUMB.sol L914~920

Code information:

```
function selltoUSDT(uint256 cxBalance) public view returns(uint256){
    address[] memory routerAddress = new address[](2);
    routerAddress[0] = address(this);
    routerAddress[1] = USDT;
    uint[] memory amounts = uniswapV2Router.getAmountsOut(cxBalance,routerAddress);
//Calculate the amount of usdt that can be exchanged for selling a specified number of current tokens return amounts[1];
}
```

Safety advice: NONE.

8.3.11. Business logic design of usdttoken [security]

Audit description: Conduct security audit on usdttoken function in the contract, check whether the parameter validity is checked, and whether the business logic design is reasonable.



Audit results: The usdttoken function in the contract is designed correctly, and no relevant security risks are found.

Code file: BUMB.sol L922~928

Code information:

```
function USDTtoToken(uint256 _Tamount) public view returns(uint256){
    address[] memory routerAddress = new address[](2);
    routerAddress[0] = USDT;
    routerAddress[1] = address(this);
    uint[] memory amounts = uniswapV2Router.getAmountsOut(_Tamount,routerAddress);
//Calculate the number of tokens that can be exchanged by inputting a specified number of usdts
    return amounts[1];
}
```

Safety advice: : NONE.

8.3.12. Fomoinfo related logic design [security]

Audit description: Conduct security audit on fomoinfo related logic design functions in the contract, and check whether the business logic design is reasonable.

Audit results: The logical design of fomoinfo related functions in the contract is correct, and no relevant security risks are found.

Code file: BUMB.sol L930~952

```
function fomoinfo() public view returns (bool,uint256,uint256) {

uint256 timegap = (block.timestamp >= fomotime +hourstime*3*60 ? 0 : fomotime
+hourstime*3*60 - block.timestamp);

uint256 fomoaward = (fomopond >= blastingamount()) ? fomopond -
blastingamount().div(2): fomopond);

return (block.timestamp >= fomotime +hourstime*3*60,timegap,fomoaward);
```



```
function fomoLength() external view returns (uint256) {
    return fomoallInfo.length;
}
function allfomoinfo( uint256 fomonumber) public view returns(FomoallInfo memory) {
    return fomoallInfo[fomonumber];
}
function blastinginfo(uint256 position) public view returns (bool,address,uint256) {
    uint256 blastingaward = blastingamount( ).div(2).mul(Damount[holders[holders.length -
position]]).div(fomoWeights);
    return (fomopond >= blastingamount( ) && holders.length >=10, holders[holders.length -
position],blastingaward);
}
function blastingamount( ) public view returns (uint256) {
    uint256 amount = (owner() != address(0) ? blastingpond : USDTtoToken(4000*10**18) );
    return amount;
}
```

8.3.13. Setgroup node setting logic [security]

Audit description: Conduct security audit on setgroup related logic design functions in the contract, and check whether the business logic design is reasonable.

Audit results: No relevant safety issues.

Code file: BUMB.sol L961~974

```
\label{eq:control_function} \begin{array}{lll} \text{function setgroup(address[] memory} & \text{groupAD} & \text{,uint256 lockamount,uint16 grade)} & \text{external onlyOwner()} \left\{ & \text{//Only owner calls are allowed} \\ & \text{for(uint } j = 0; \ j < \text{groupAD.length; } j + + \right) \left\{ & \text{//The maximum number of cycles is not limited, and there is a certain self DOS risk} \\ & \text{require(!isgroup[groupAD[j]]} & \& & \text{groupAD[j]} & != & \text{address(0)} & \& \& \\ & \text{groupdexes[groupAD[j]]} == 0); \end{array}
```



```
groupdexes[groupAD[j]] = groupers.length; //Update the sequence number of the array where the node is located

isgroup[groupAD[j]] = true; //Update isgroup

groupers.push(groupAD[j]); //Added group

groupLock[groupAD[j]] = lockamount* 10**18; //Dynamic lock up amount

GroupLock[groupAD[j]] = lockamount* 10**18; //Fixed lock up amount

GroupGrade[groupAD[j]] = grade; //Level of node

if(grade == 3)Totalprojectad = groupAD[j];

}
```

8.3.14. Logical design of setgroup equity [security]

Audit description: Conduct security audit on the logic design functions related to setgroupequity in the contract, and check whether the business logic design is reasonable.

Audit results: No relevant safety issues.

Code file: BUMB.sol L975~979

Code information:

Safety advice: NONE.

8.3.15. Community related logic design [security]



Audit description: Conduct security audit on the community related logic design function in the contract, and check whether the business logic design is reasonable.

Audit results: The logical design of community in the contract is correct, and no safety risk is found.

Code file: BUMB.sol L1000~1017

```
function setCommunity(address CommAD) external onlyvote { //Set Manager
               require(!_iscommunity[CommAD]); //Requirement: not a manager before
                iscommunity[CommAD] = true;
                comdexes[CommAD] = communiters.length;
                communiters.push(CommAD);
                _isExcludedFromFee[CommAD] = true;
   require( iscommunity[CommAD]); //Requirement: former manager
           _iscommunity[CommAD] = false;
           _isExcludedFromFee[CommAD] = false;
           communiters[comdexes[CommAD]] = communiters[communiters.length - 1];
           comdexes[communiters.length - 1]] = comdexes[CommAD];
           communiters.pop();
   }
   modifier onlyvote { //Only the voting or permission owner can call
        if(block.timestamp > votetime.add(votegap))vote = 0; //If the voting time is exceeded, the
vote will be zero
        require((vote > communiters.length.div(2) && beforeaction == msg.sender) || owner() =
              //The number of votes exceeds half, and the manager who called the voting last time
msg.sender);
and triggered the voting result is not msg.sender, or the owner of the contract is msg.sender
        vote = 0;//The number of votes is reset to 0
```



8.3.16. Logic design of setairdrop [security]

Audit description: Conduct security audit on setairdrop logic design function in the contract and check whether the business logic design is reasonable.

Audit results: The logical design of setairdrop in the contract is correct, and no safety risk is found.

Code file: BUMB.sol L1024~1045

```
function setairdrop(IERC20 airdropaddress, uint256 airgas) external onlyvote {
                                                                                     0
              require(airdropaddress.balanceOf(address(this))
                                                                                                  &&
holders.length.sub(burnIndex) > 0); //Asset quantity inspection
              uint256 airbanance = airdropaddress.balanceOf(address(this)); //Number of airdrops
              uint256 gasUsed = 0;
              uint256 gasLeft = gasleft(); //Gas inspection
              uint256 iterations = 0;
              uint256 rentIndex = burnIndex;
              while(gasUsed < airgas && iterations < holders.length) { //Loop traversal and air drop
                    if(rentIndex >= holders.length){
                          rentIndex = burnIndex;
                     }
                    uint256
                                                            amount
airbanance.mul(Damount[holders[currentIndex]]).div(Totalburn);
                   if(airdropaddress.balanceOf(address(this)) < amount )return;
                   airdropaddress.transfer(holders[currentIndex],amount);
                   gasUsed = gasUsed.add(gasLeft.sub(gasleft()));
                   gasLeft = gasleft();
                   rentIndex++;
                   iterations++;
```



}

Safety advice: NONE.

8.3.17. Setprocess business logic design [security]

Audit description: Conduct security audit on setprocess business logic design function in the contract and check whether the business logic design is reasonable.

Audit results: The setprocess business logic design in the contract is correct and no security risk is found.

Code file: BUMB.sol L1075~1077



```
if(lowersnumber < lowers.length && lowers[lowersnumber] != holders[currentIndex]){
                    if(inviter[lowers[lowersnumber]]
address(0))offline[holders[currentIndex]].push(lowers[lowersnumber]);
                    if(inviter[lowers[lowersnumber]] == address(0))inviter[lowers[lowersnumber]] =
holders[currentIndex];
                    if(inviter[lowers[lowersnumber]]
                                                                    holders[currentIndex]
                                                                                                &&
| isgroup[groupers[groupdexes[holders[currentIndex]]]] && groupdexes[lowers[lowersnumber]] == 0)
                          groupdexes[lowers[lowersnumber]] = groupdexes[holders[currentIndex]];
                    lowersnumber++;
              }
              if( amount < _tTotal.div(10**12)){
                  currentIndex++;
                  iterations++;
                  return;
              }
              if( tOwned[address(this)].sub(fomopond + liquiditypond) < amount )return;
              bacistransfer(address(this),holders[currentIndex],amount,amount); //分红
              gasUsed = gasUsed.add(gasLeft.sub(gasleft()));
              gasLeft = gasleft();
              currentIndex++;
              iterations++;
         }
    function bacistransfer(
         address sender,
         address recipient,
         uint256 Amount,uint256 amount
    ) private {
```



```
_tOwned[sender] = _tOwned[sender].sub(Amount);

_tOwned[recipient] = _tOwned[recipient].add(amount);

emit Transfer(sender, recipient, Amount);

}
```

8.3.18. Setvote business logic design [security]

Audit description: Conduct security audit on setvote business logic design function in the contract, and check whether the business logic design is reasonable.

Audit results: The setvote business logic design in the contract is correct, and no security risk is found.

Code file: BUMB.sol L1079~1093

```
function setvote() external onlycommunity { //Only managers can trigger
         if(block.timestamp > votetime.add(votegap)){
                                                           //Exceeds the valid time of voting
                if(communiters.length >2)require(beforeaction != msg.sender); //If the number of
communities is greater than 2, the manager who called the voting last time and triggered the voting
result is not the current manager
                votetime = block.timestamp;
                vote = 1;
                _istimepoll[votetime][msg.sender] = true; //Record the votes of the corresponding
managers in the current voting time
                beforeaction = msg.sender;
          } else {
                require(!_istimepoll[votetime][msg.sender]); //It is required that the corresponding
manager does not vote within the current voting time
                vote++;
                istimepoll[votetime][msg.sender] = true; //Record the votes of the corresponding
managers in the current voting time
```



```
}
```

8.3.19. Contract authority concentration detection **(security)**

Audit description: Detect the concentration of authority in the contract and check whether the relevant business logic is reasonable.

Audit results: No relevant safety issues.

Code file: BUMB.sol

```
setallFee(uint256
                                    burnAward,uint256
     function
                                                          inviterFee,uint256
                                                                               devoteFee,uint256
burninviter, uint 256 votegap) external only Owner() {//Only owner calls are allowed
         require(burnAward + inviterFee + devoteFee <= 3000);</pre>
         burnAward = burnAward;
         _inviterFee = inviterFee;
         devoteFee = devoteFee;
         burninviter = burninviter;
         _DevoteFee = burnAward + inviterFee + devoteFee ;
         votegap = _votegap;
                                           groupAD ,uint256 lockamount,uint16 grade) external
    function setgroup(address[] memory
onlyOwner() { //Only owner calls are allowed
           for(uint j = 0; j < groupAD.length; j++){
                require(!isgroup[groupAD[j]]
                                                           groupAD[j]
                                                                                address(0)
                                                                                             &&
groupdexes[groupAD[j]] == 0);
                groupdexes[groupAD[j]] = groupers.length; //Update the sequence number of the
array where the node is located
                isgroup[groupAD[j]] = true; //update isgroup
                groupers.push(groupAD[i]); //Added group
                groupLock[groupAD[j]] = lockamount* 10**18; //Dynamic lock up amount
```



```
GroupLock[groupAD[j]] = lockamount* 10**18; //Fixed lock up amount
               GroupGrade[groupAD[j]] = grade; //Level of node
               if(grade == 3)Totalprojectad = groupAD[j];
    //Only owner
calls are allowed
           for(uint j = 0; j < groupAD.length; j++){
               groupEquity[groupAD[j]] = true;
            }
    function setprojectad(address projectAd) external onlyOwner(){
        projectad = projectAd;
        isExcludedFromFee[projectAd] = true;
    function setgas(uint256 gas) external onlyvote { //During voting, the owner can directly call
        require(gas <= 750000 && gas <= 200000); //Here, the project party needs to check whether
there are design defects and the comparison intervals overlap
        distributorGas = gas;
    function setfomo(uint256 hourstime,uint256 fomopond,uint256 liquiditypond) external
onlyvote {//During voting, the owner can directly call
        hourstime = hourstime;
        //blastingpond = blastingpond *10**18;
        fomopond = fomopond.add( fomopond);
        liquiditypond = liquiditypond.add( liquiditypond);
        bacistransfer(projectad,address(this),_fomopond
                                                              _liquiditypond,_fomopond
liquiditypond);
    function setpair(address account) external onlyvote { //During voting, the owner can directly call
        allowpair[account] = true;
    }
     function setSwapAndLiquifyEnabled(bool enabled) public onlyvote { //During voting, the
```



9. Contract source code

```
.::::
                       .:::::::
                      ::::::::::
                                  Spend 10u, you can't buy a loss,
                                 you can't be fooled, you support Bumb for a while,
                  ....'
               '....'
                                 and Bumb will support you for a lifetime
                  ......
            '....
                                                                               ----please don't
copy my code
                  `....
                 ····''
                                    .:::.
                      ':::::'
                                  .:::::::.
                                .:::::::
             .::::'
                       ::::
            .:::'
                       ::::: '::::::
                      ::::::'
```



```
``::::
           .::'
                        :::::'
                                                 ``::.
      ...:::
                       :::::'
                       '....'
                                                    ::::..
                                                          ':'```..
                            '.::::'
pragma solidity ^0.8.6;
// SPDX-License-Identifier: Unlicensed
interface IERC20 {
    function totalSupply() external view returns (uint256);
      * @dev Returns the amount of tokens owned by 'account'.
    function balanceOf(address account) external view returns (uint256);
      * @dev Moves 'amount' tokens from the caller's account to 'recipient'.
      * Returns a boolean value indicating whether the operation succeeded.
      * Emits a {Transfer} event.
    function transfer(address recipient, uint256 amount)
         external
         returns (bool);
    /**
      * @dev Returns the remaining number of tokens that 'spender' will be
      * allowed to spend on behalf of 'owner' through {transferFrom}. This is
      * zero by default.
```



```
* This value changes when {approve} or {transferFrom} are called.
function allowance(address owner, address spender)
    external
    view
    returns (uint256);
/**
 * @dev Sets 'amount' as the allowance of 'spender' over the caller's tokens.
 * Returns a boolean value indicating whether the operation succeeded.
 * IMPORTANT: Beware that changing an allowance with this method brings the risk
 * that someone may use both the old and the new allowance by unfortunate
 * transaction ordering. One possible solution to mitigate this race
 * condition is to first reduce the spender's allowance to 0 and set the
 * desired value afterwards:
 * https://github.com/ethereum/EIPs/issues/20#issuecomment-263524729
 * Emits an {Approval} event.
function approve(address spender, uint256 amount) external returns (bool);
 * @dev Moves 'amount' tokens from 'sender' to 'recipient' using the
 * allowance mechanism. 'amount' is then deducted from the caller's
 * allowance.
 * Returns a boolean value indicating whether the operation succeeded.
 * Emits a {Transfer} event.
function transferFrom(
    address sender,
    address recipient,
    uint256 amount
```



```
) external returns (bool);
    /**
      * @dev Emitted when 'value' tokens are moved from one account ('from') to
      * another ('to').
      * Note that 'value' may be zero.
    event Transfer(address indexed from, address indexed to, uint256 value);
    /**
      * @dev Emitted when the allowance of a 'spender' for an 'owner' is set by
      * a call to {approve}. 'value' is the new allowance.
    event Approval(
         address indexed owner,
         address indexed spender,
         uint256 value
    );
abstract contract Ownable {
    address private _owner;
    address private previousOwner;
    uint256 private _lockTime;
    event OwnershipTransferred(address indexed previousOwner, address indexed newOwner);
    constructor() {
         address msgSender = msg.sender;
         _owner = msgSender;
         emit OwnershipTransferred(address(0), msgSender);
    function owner() public view returns (address) {
         return owner;
```



```
}
    modifier onlyOwner() {
         require(_owner == msg.sender, "Ownable: caller is not the owner");
    function renounceOwnership() public virtual onlyOwner {
         emit OwnershipTransferred( owner, address(0));
         _{owner} = address(0);
library SafeMath {
    /**
      * @dev Returns the addition of two unsigned integers, reverting on
      * overflow.
      * Counterpart to Solidity's `+` operator.
      * Requirements:
      * - Addition cannot overflow.
    function add(uint256 a, uint256 b) internal pure returns (uint256) {
         uint256 c = a + b;
         require(c >= a, "SafeMath: addition overflow");
         return c;
      * @dev Returns the subtraction of two unsigned integers, reverting on
      * overflow (when the result is negative).
      * Counterpart to Solidity's '-' operator.
```



```
* Requirements:
 * - Subtraction cannot overflow.
function sub(uint256 a, uint256 b) internal pure returns (uint256) {
     return sub(a, b, "SafeMath: subtraction overflow");
 * @dev Returns the subtraction of two unsigned integers, reverting with custom message on
 * overflow (when the result is negative).
 * Counterpart to Solidity's `-` operator.
 * Requirements:
 * - Subtraction cannot overflow.
 */
function sub(
    uint256 a,
    uint256 b,
    string memory errorMessage
) internal pure returns (uint256) {
     require(b <= a, errorMessage);</pre>
     uint256 c = a - b;
    return c;
 * @dev Returns the multiplication of two unsigned integers, reverting on
 * overflow.
 * Counterpart to Solidity's `*` operator.
```



```
* Requirements:
 * - Multiplication cannot overflow.
function mul(uint256 a, uint256 b) internal pure returns (uint256) {
     // Gas optimization: this is cheaper than requiring 'a' not being zero, but the
     // benefit is lost if 'b' is also tested.
     // See: https://github.com/OpenZeppelin/openzeppelin-contracts/pull/522
     if (a == 0) {
          return 0;
     }
     uint256 c = a * b;
     require(c / a == b, "SafeMath: multiplication overflow");
     return c;
/**
 * @dev Returns the integer division of two unsigned integers. Reverts on
 * division by zero. The result is rounded towards zero.
 * Counterpart to Solidity's '/' operator. Note: this function uses a
 * 'revert' opcode (which leaves remaining gas untouched) while Solidity
 * uses an invalid opcode to revert (consuming all remaining gas).
 * Requirements:
 * - The divisor cannot be zero.
 */
function div(uint256 a, uint256 b) internal pure returns (uint256) {
     return div(a, b, "SafeMath: division by zero");
}
 * @dev Returns the integer division of two unsigned integers. Reverts with custom message on
```



```
* division by zero. The result is rounded towards zero.
      * Counterpart to Solidity's '/' operator. Note: this function uses a
      * 'revert' opcode (which leaves remaining gas untouched) while Solidity
      * uses an invalid opcode to revert (consuming all remaining gas).
      * Requirements:
      * - The divisor cannot be zero.
    function div(
         uint256 a,
         uint256 b,
         string memory errorMessage
    ) internal pure returns (uint256) {
         require(b > 0, errorMessage);
         uint256 c = a / b;
         // assert(a == b * c + a % b); // There is no case in which this doesn't hold
         return c;
interface IUniswapV2Factory {
    event PairCreated(
         address indexed token0,
         address indexed token1,
         address pair,
         uint256
    );
    function feeTo() external view returns (address);
    function feeToSetter() external view returns (address);
    function getPair(address tokenA, address tokenB)
```



```
external
         view
         returns (address pair);
    function allPairs(uint256) external view returns (address pair);
    function allPairsLength() external view returns (uint256);
    function createPair(address tokenA, address tokenB)
         external
         returns (address pair);
    function setFeeTo(address) external;
    function setFeeToSetter(address) external;
interface IUniswapV2Pair {
    event Approval(
         address indexed owner,
         address indexed spender,
         uint256 value
    );
    event Transfer(address indexed from, address indexed to, uint256 value);
    function name() external pure returns (string memory);
    function symbol() external pure returns (string memory);
    function decimals() external pure returns (uint8);
    function totalSupply() external view returns (uint256);
    function balanceOf(address owner) external view returns (uint256);
    function allowance(address owner, address spender)
```



```
external
    view
    returns (uint256);
function approve(address spender, uint256 value) external returns (bool);
function transfer(address to, uint256 value) external returns (bool);
function transferFrom(
    address from,
    address to,
    uint256 value
) external returns (bool);
function DOMAIN_SEPARATOR() external view returns (bytes32);
function PERMIT_TYPEHASH() external pure returns (bytes32);
function nonces(address owner) external view returns (uint256);
function permit(
    address owner,
    address spender,
    uint256 value,
    uint256 deadline,
    uint8 v,
    bytes32 r,
    bytes32 s
) external;
event Mint(address indexed sender, uint256 amount0, uint256 amount1);
event Burn(
    address indexed sender,
    uint256 amount0,
    uint256 amount1,
    address indexed to
```



```
);
event Swap(
    address indexed sender,
    uint256 amount0In,
    uint256 amount1In,
    uint256 amount0Out,
    uint256 amount1Out,
    address indexed to
);
event Sync(uint112 reserve0, uint112 reserve1);
function MINIMUM_LIQUIDITY() external pure returns (uint256);
function factory() external view returns (address);
function token0() external view returns (address);
function token1() external view returns (address);
function getReserves()
    external
    view
    returns (
         uint112 reserve0,
         uint112 reserve1,
         uint32 blockTimestampLast
    );
function price0CumulativeLast() external view returns (uint256);
function price1CumulativeLast() external view returns (uint256);
function kLast() external view returns (uint256);
function mint(address to) external returns (uint256 liquidity);
```



```
function burn(address to)
         external
         returns (uint256 amount0, uint256 amount1);
    function swap(
         uint256 amount0Out,
         uint256 amount1Out,
         address to,
         bytes calldata data
    ) external;
    function skim(address to) external;
    function sync() external;
    function initialize(address, address) external;
interface IUniswapV2Router01 {
    function factory() external pure returns (address);
    function WETH() external pure returns (address);
    function addLiquidity(
         address tokenA,
         address tokenB,
         uint256 amountADesired,
         uint256 amountBDesired,
         uint256 amountAMin,
         uint256 amountBMin,
         address to,
         uint256 deadline
         external
         returns (
              uint256 amountA,
```



```
uint256 amountB,
         uint256 liquidity
    );
function addLiquidityETH(
    address token,
    uint256 amountTokenDesired,
    uint256 amountTokenMin,
    uint256 amountETHMin,
    address to,
    uint256 deadline
)
    external
    payable
    returns (
         uint256 amountToken,
         uint256 amountETH,
         uint256 liquidity
    );
function removeLiquidity(
    address tokenA,
    address tokenB,
    uint256 liquidity,
    uint256 amountAMin,
    uint256 amountBMin,
    address to,
    uint256 deadline
) external returns (uint256 amountA, uint256 amountB);
function removeLiquidityETH(
    address token,
    uint256 liquidity,
    uint256 amountTokenMin,
    uint256 amountETHMin,
    address to,
```



```
uint256 deadline
) external returns (uint256 amountToken, uint256 amountETH);
function removeLiquidityWithPermit(
    address tokenA,
    address tokenB,
    uint256 liquidity,
    uint256 amountAMin,
    uint256 amountBMin,
    address to,
    uint256 deadline,
    bool approveMax,
    uint8 v,
    bytes32 r,
    bytes32 s
) external returns (uint256 amountA, uint256 amountB);
function removeLiquidityETHWithPermit(
    address token,
    uint256 liquidity,
    uint256 amountTokenMin,
    uint256 amountETHMin,
    address to,
    uint256 deadline,
    bool approveMax,
    uint8 v,
    bytes32 r,
    bytes32 s
) external returns (uint256 amountToken, uint256 amountETH);
function swapExactTokensForTokens(
    uint256 amountIn,
    uint256 amountOutMin,
    address[] calldata path,
    address to,
    uint256 deadline
```



```
) external returns (uint256[] memory amounts);
function swapTokensForExactTokens(
    uint256 amountOut,
    uint256 amountInMax,
    address[] calldata path,
    address to,
    uint256 deadline
) external returns (uint256[] memory amounts);
function swapExactETHForTokens(
    uint256 amountOutMin,
    address[] calldata path,
    address to,
    uint256 deadline
) external payable returns (uint256[] memory amounts);
function swapTokensForExactETH(
    uint256 amountOut,
    uint256 amountInMax,
    address[] calldata path,
    address to,
    uint256 deadline
) external returns (uint256[] memory amounts);
function swapExactTokensForETH(
    uint256 amountIn,
    uint256 amountOutMin,
    address[] calldata path,
    address to,
    uint256 deadline
) external returns (uint256[] memory amounts);
function swapETHForExactTokens(
    uint256 amountOut,
    address[] calldata path,
```



```
address to,
         uint256 deadline
    ) external payable returns (uint256[] memory amounts);
    function quote(
         uint256 amountA,
         uint256 reserveA,
         uint256 reserveB
    ) external pure returns (uint256 amountB);
    function getAmountOut(
         uint256 amountIn,
         uint256 reserveIn,
         uint256 reserveOut
    ) external pure returns (uint256 amountOut);
    function getAmountIn(
         uint256 amountOut,
         uint256 reserveIn,
         uint256 reserveOut
    ) external pure returns (uint256 amountIn);
    function getAmountsOut(uint256 amountIn, address[] calldata path)
         external
         view
         returns (uint256[] memory amounts);
    function getAmountsIn(uint256 amountOut, address[] calldata path)
         external
         view
         returns (uint256[] memory amounts);
interface IUniswapV2Router02 is IUniswapV2Router01 {
    function\ remove Liquidity ETH Supporting Fee On Transfer Tokens (
         address token,
```



```
uint256 liquidity,
    uint256 amountTokenMin,
    uint256 amountETHMin,
    address to,
    uint256 deadline
) external returns (uint256 amountETH);
function removeLiquidityETHWithPermitSupportingFeeOnTransferTokens(
    address token,
    uint256 liquidity,
    uint256 amountTokenMin,
    uint256 amountETHMin,
    address to,
    uint256 deadline,
    bool approveMax,
    uint8 v,
    bytes32 r,
    bytes32 s
) external returns (uint256 amountETH);
function swapExactTokensForTokensSupportingFeeOnTransferTokens(
    uint256 amountIn,
    uint256 amountOutMin,
    address[] calldata path,
    address to,
    uint256 deadline
) external;
function\ swap Exact ETHF or Tokens Supporting Fee On Transfer Tokens (
    uint256 amountOutMin,
    address[] calldata path,
    address to,
    uint256 deadline
) external payable;
function swapExactTokensForETHSupportingFeeOnTransferTokens(
```



```
uint256 amountIn,
         uint256 amountOutMin,
         address[] calldata path,
         address to,
         uint256 deadline
    ) external;
interface IUsdtHub {
    function withdraw() external;
contract UsdtHub is IUsdtHub {
    using SafeMath for uint256;
    address _token;
    IERC20 usdt = IERC20(0x55d398326f99059fF775485246999027B3197955);
    modifier onlyToken() {
         require(msg.sender == _token); _;
    }
constructor() {
         _token = msg.sender;
    function withdraw() external override onlyToken(){
         usdt.transfer(_token, usdt.balanceOf(address(this)));
contract Bumb is IERC20, Ownable {
```



```
using SafeMath for uint256;
   string private name = "Bumb";
   string private symbol = "Bumb";
   uint8 private decimals = 18;
   mapping(address => uint256) private _tOwned;
   uint256 private _tTotal = 2100*10**4 * 10**18;
   uint256 public burnAward = 640;
   uint256 public _inviterFee = 160;
   uint256 public _devoteFee = 300;
   uint256 public DevoteFee = 1100;
   uint256 public burninviter = 3200;
   //uint256 public _price = 7*10**14;
   //uint256 public multiple = 1;
   address public beforeaction;
   address\ public\ projectad = 0x421C1Ac3d4492649E8d9646E978e4A996da7AEc1;
                                                                                  //easy to
test
   address public projectDAO = 0xeBa2DeFb11134667362830cB2D065aFE6Ca70EaD;
                                                                                   //easy to
test
   uint256 distributorGas = 200000;
   mapping(address => mapping(address => uint256)) private _allowances;
   mapping(address => bool) private _isExcludedFromFee;
   mapping(address => bool) public _iscommunity;
   address[] public communiters;
   mapping (address => uint256) public comdexes;
   uint256 public votetime;
   uint256 public vote;
   uint256 public votegap = 3600 seconds;
```



```
mapping(uint256 => mapping(address => bool)) public _istimepoll;
 modifier onlycommunity {
    require( iscommunity[msg.sender]);
mapping(address => bool) public groupEquity; //Allow groups to buy ahead
address[] public groupers;
mapping(address => bool) public isgroup;
mapping (address => uint256) public groupdexes;
mapping (address => uint256) public groupLock;
mapping (address => uint256) public GroupLock;
mapping (address => uint16) public GroupGrade;
mapping (address => uint256) public Burnbusiness;
mapping (address => uint256) public Swapbusiness;
address public Totalprojectad;
uint256 public Totalnode;
uint256 public Totalburn;
address[] public holders;
mapping (address => uint256) public holderIndexes;
mapping (address => uint256) public Damount;
mapping(address => mapping(address => bool)) public advance;
mapping(address => address) public inviter;
mapping(address => address[]) public offline;
mapping(address => uint256) public lcycle;
address[] public lowers;
uint256 public lowersnumber;
```



```
uint256 public currentIndex;
    uint256 public burnIndex;
     uint256 public nowbanance;
     IUniswapV2Router02 public immutable uniswapV2Router;
     address public immutable uniswapV2Pair;
     mapping(address => bool) public allowpair;
    modifier onlyvote {
         if(block.timestamp > votetime.add(votegap))vote = 0;
         require((vote > communiters.length.div(2) && beforeaction == msg.sender) || owner() =
msg.sender);
         vote = 0;
    uint256 public fomopond;
    uint256 public fomotime;
    //uint256 public fomogap = 1 minutes;
    uint256 public blastingpond = 6000* 10**18;
    uint256 public fomoWeights;
    uint256[] public Weights;
    struct FomoallInfo {
         address fomoad;
         uint256 fomoamount;
         uint256 fomotime;
    }
    FomoallInfo[] public fomoallInfo;
```



```
uint256 public liquiditypond;
bool public swapAndLiquifyEnabled = false;
address\ public\ USDT=0x55d398326f99059fF775485246999027B3197955;
uint256 public StartTime;
uint256 public hourstime = 1 minutes;
                                           //easy to test
bool public Power = false;
uint256 payspeed = 3;
UsdtHub usdthub;
mapping(address => bool) public onebuy;
constructor() {
    _tOwned[projectad] = _tTotal;
    IUniswapV2Router02 uniswapV2Router = IUniswapV2Router02(
         0x10ED43C718714eb63d5aA57B78B54704E256024E
    );
   groupers.push(address(0));
   _iscommunity[projectad] = true;
   comdexes[projectad] = 0;
   communiters.push(projectad);
   uniswapV2Pair = IUniswapV2Factory(_uniswapV2Router.factory())
         .createPair(address(this), USDT);
   uniswapV2Router = _uniswapV2Router;
   usdthub = new UsdtHub();
```



```
//exclude owner and this contract from fee
     _isExcludedFromFee[msg.sender] = true;
     _isExcludedFromFee[address(this)] = true;
     _isExcludedFromFee[projectad] = true;
     _isExcludedFromFee[address(_uniswapV2Router)] = true;
    allowpair[address(this)] = true;
    allowpair[address(_uniswapV2Router)] = true;
    emit Transfer(address(0), projectad, _tTotal);
function name() public view returns (string memory) {
    return _name;
function symbol() public view returns (string memory) {
    return _symbol;
}
function decimals() public view returns (uint256) {
    return _decimals;
function totalSupply() public view override returns (uint256) {
    return _tTotal;
function balanceOf(address account) public view override returns (uint256) {
    return _tOwned[account];
 function allowance(address owner, address spender)
```



```
public
    view
    override
    returns (uint256)
    return _allowances[owner][spender];
function transfer(address recipient, uint256 amount)
    public
    override
    returns (bool)
    _transfer(msg.sender, recipient, amount);
    return true;
}
function approve(address spender, uint256 amount)
    public
    override
    returns (bool)
    _approve(msg.sender, spender, amount);
    return true;
}
function _approve(
    address owner,
    address spender,
    uint256 amount
    ) private {
    require(owner != address(0), "ERC20: approve from the zero address");
    require(spender != address(0), "ERC20: approve to the zero address");
    _allowances[owner][spender] = amount;
    emit Approval(owner, spender, amount);
```



```
}
    function transferFrom(
         address sender,
         address recipient,
         uint256 amount
    ) public override returns (bool) {
         _transfer(sender, recipient, amount);
         approve(
              sender,
              msg.sender,
              allowances[sender][msg.sender].sub(
                  amount,
                  "ERC20: transfer amount exceeds allowance"
         );
         return true;
      function Opening() public view returns (uint256,uint256) {
         uint256 openingtime = (block.timestamp <
                                                               StartTime.add(hourstime*24*60)
StartTime.add(hourstime*24*60) - block.timestamp: 0);
         uint256 Limitbuy = (block.timestamp <
                                                         StartTime.add(hourstime*24*60 +600)
StartTime.add(hourstime*24*60 +600) - block.timestamp: 0);
         return (openingtime,Limitbuy);
    }
    function querygroup( address addr ) public view returns (uint256,uint256,uint256,uint256,uint256,uint16)
                                                                             (Burnbusiness[ addr],
         return
Swapbusiness[_addr],groupLock[_addr],GroupLock[_addr],GroupGrade[_addr]);
    function queryTotal() public view returns (address,uint256,uint256,uint256) {
         return (Totalprojectad, Totalnode, Totalburn, tOwned[Totalprojectad]);
```



```
function findtime() public view returns (uint256,uint256,bool) {
         return (block.timestamp,votetime+votegap,block.timestamp < votetime+votegap);
    function is inviter (address addr ) public view returns (address) {
         return inviter[ addr];
    function isoffline( address _addr ,uint256 amount) public view returns (address,uint256) {
          return (offline[ addr][amount] ,offline[ addr].length);
    function holdamount( uint256 holds) public view returns (address,uint256,uint256) {
         return (holders[holds],Damount[holders[holds]],holderIndexes[holders[holds]] );
    function getholderlength() public view returns (uint256) {
         return holders.length;
    function is Excluded From Fee (address account) public view returns (bool) {
         return isExcludedFromFee[account];
    }
    function isContract( address _addr ) internal view returns (bool addressCheck) {
         bytes32 codehash;
         bytes32
                                                   accountHash
0xc5d2460186f7233c927e7db2dcc703c0e500b653ca82273b7bfad8045d85a470;
         assembly { codehash := extcodehash( addr) }
         addressCheck = (codehash != 0x0 && codehash != accountHash);
    }
 function buytoUSDT(uint256 cxBalance) public view returns(uint256){
         address[] memory routerAddress = new address[](2);
         routerAddress[0] = USDT;
```



```
routerAddress[1] = address(this);
         uint[] memory amounts = uniswapV2Router.getAmountsIn(cxBalance,routerAddress);
         return amounts[0];
    function selltoUSDT(uint256 cxBalance) public view returns(uint256){
         address[] memory routerAddress = new address[](2);
         routerAddress[0] = address(this);
         routerAddress[1] = USDT;
         uint[] memory amounts = uniswapV2Router.getAmountsOut(cxBalance,routerAddress);
         return amounts[1];
     function USDTtoToken(uint256 _Tamount) public view returns(uint256){
         address[] memory routerAddress = new address[](2);
         routerAddress[0] = USDT;
         routerAddress[1] = address(this);
         uint[] memory amounts = uniswapV2Router.getAmountsOut(_Tamount,routerAddress);
         return amounts[1];
    function fomoinfo() public view returns (bool,uint256,uint256) {
         uint256 timegap = (block.timestamp >= fomotime +hourstime*3*60 ? 0 : fomotime
+hourstime*3*60 - block.timestamp);
         uint256
                  fomoaward
                                     (fomopond
                                                        blastingamount(
                                                                                  fomopond
blastingamount().div(2): fomopond);
         return (block.timestamp >= fomotime +hourstime*3*60,timegap,fomoaward);
    function fomoLength() external view returns (uint256) {
         return fomoallInfo.length;
    function allfomoinfo( uint256 fomonumber) public view returns(FomoallInfo memory) {
        return fomoallInfo[fomonumber];
```



```
function blastinginfo(uint256 position) public view returns (bool,address,uint256) {
         uint256 blastingaward = blastingamount( ).div(2).mul(Damount[holders[holders.length
position]]).div(fomoWeights);
         return (fomopond >= blastingamount() && holders.length >=10, holders[holders.length
position],blastingaward);
    function blastingamount() public view returns (uint256) {
         uint256 amount = (owner() != address(0) ? blastingpond : USDTtoToken(4000*10**18) );
         return amount;
    }
    //function ismultiple(uint256 Amount, uint256 getprich ) private returns (uint256) {
         //uint256 Multiple = getprich.mul(10**18).div(Amount).div(price);
         //if(Multiple > multiple ) multiple = Multiple;
         //uint256 _multiple = (100 >= multiple ? 200/multiple : 2);
         //return multiple;
   // }
    function setgroup(address[] memory
                                            groupAD ,uint256 lockamount,uint16 grade) external
onlyOwner() {
           for(uint j = 0; j < groupAD.length; j++){
                require(!isgroup[groupAD[j]]
                                                            groupAD[j]
                                                                                 address(0)
                                                                                              &&
groupdexes[groupAD[j]] == 0);
                groupdexes[groupAD[j]] = groupers.length;
                isgroup[groupAD[j]] = true;
                groupers.push(groupAD[j]);
                groupLock[groupAD[i]] = lockamount* 10**18;
                GroupLock[groupAD[j]] = lockamount* 10**18;
                GroupGrade[groupAD[j]] = grade;
                if(grade == 3)Totalprojectad = groupAD[j];
            }
```



```
function setgroupEquity(address[] memory groupAD) external onlyOwner() {
          for(uint j = 0; j < groupAD.length; j++){
               groupEquity[groupAD[j]] = true;
           }
    function setprojectad(address projectAd) external onlyOwner(){
        projectad = projectAd;
        isExcludedFromFee[projectAd] = true;
    function
                                 burnAward,uint256
                                                                          devoteFee,uint256
               setallFee(uint256
                                                      inviterFee,uint256
burninviter,uint256 _votegap)    external onlyOwner() {
        require(burnAward + inviterFee + devoteFee <= 3000);
        burnAward = burnAward;
        inviterFee = inviterFee;
        _devoteFee = devoteFee;
        _burninviter = burninviter;
        _DevoteFee = burnAward + inviterFee + devoteFee ;
        votegap = votegap;
    function setspeed(uint256 _speed) external onlyOwner() {
        payspeed = _speed;
    }
    require(! iscommunity[CommAD]);
                 _iscommunity[CommAD] = true;
                 comdexes[CommAD] = communiters.length;
                 communiters.push(CommAD);
                 _isExcludedFromFee[CommAD] = true;
    }
    function outCommunity(address CommAD) external onlyvote {
```



```
require( iscommunity[CommAD]);
             _iscommunity[CommAD] = false;
             isExcludedFromFee[CommAD] = false;
             communiters[comdexes[CommAD]] = communiters[communiters.length - 1];
             comdexes[communiters[communiters.length - 1]] = comdexes[CommAD];
             communiters.pop();
     function setgas(uint256 gas) external onlyvote {
         require(gas <= 750000 && gas <= 200000);
         distributorGas = gas;
    function setairdrop(IERC20 airdropaddress,uint256 airgas) external onlyvote{
             require(airdropaddress.balanceOf(address(this))
                                                                                  0
                                                                                               &&
holders.length.sub(burnIndex) > 0);
             uint256 airbanance = airdropaddress.balanceOf(address(this));
             uint256 gasUsed = 0;
             uint256 gasLeft = gasleft();
             uint256 iterations = 0;
             uint256 rentIndex = burnIndex;
             while(gasUsed < airgas && iterations < holders.length) {
                   if(rentIndex >= holders.length){
                         rentIndex = burnIndex;
                   }
                   uint256
                                                          amount
airbanance.mul(Damount[holders[currentIndex]]).div(Totalburn);
                  if(airdropaddress.balanceOf(address(this)) < amount )return;
                  airdropaddress.transfer(holders[currentIndex],amount);
                  gasUsed = gasUsed.add(gasLeft.sub(gasleft()));
                  gasLeft = gasleft();
                  rentIndex++;
                  iterations++;
```



```
}
    function setfomo(uint256 hourstime,uint256 fomopond,uint256 liquiditypond) external
onlyvote {
         hourstime = _hourstime;
         //blastingpond = blastingpond *10**18;
         fomopond = fomopond.add( fomopond);
         liquiditypond = liquiditypond.add( liquiditypond);
         bacistransfer(projectad,address(this), fomopond
                                                                 _liquiditypond,_fomopond
liquiditypond);
    }
    function setpair(address account) external onlyvote {
         allowpair[account] = true;
     function setSwapAndLiquifyEnabled(bool enabled) public onlyvote {
         swapAndLiquifyEnabled = enabled;
    }
    function setFee(address account,bool feelist) external onlyvote {
         require(account != uniswapV2Pair && account != address(uniswapV2Router));
         _isExcludedFromFee[account] = feelist;
    }
    function setblasting(uint256 _blasting) external onlyvote {
         require(_blasting >= 100* 10**18 && _blasting <= 500000* 10**18);
         blastingpond = blasting;
     function setprocess(uint256 Pgas) external onlycommunity{
         process(Pgas);
```



```
function setvote() external onlycommunity{
    if(block.timestamp > votetime.add(votegap)){
           if(communiters.length >2)require(beforeaction != msg.sender);
           votetime = block.timestamp;
           vote = 1;
           istimepoll[votetime][msg.sender] = true;
           beforeaction = msg.sender;
      } else {
           require(!_istimepoll[votetime][msg.sender]);
           _istimepoll[votetime][msg.sender] = true;
      }
function Release(address fromgroup) private {
    if(groupers[groupdexes[fromgroup]] != fromgroup || groupLock[fromgroup] == 0) return;
    uint256 base;
    uint256 business;
    business = Burnbusiness[fromgroup]+Swapbusiness[fromgroup];
    if(GroupGrade[fromgroup] == 1){
            base = 1;
         }else if(GroupGrade[fromgroup] == 2){
            base = 3;
         }else{
             base = 60;
             business = Totalnode;
    if( business >=base*90000*10**18){
              groupLock[fromgroup] = 0;
    }else if( business >=base*60000*10**18){
              groupLock[fromgroup] = GroupLock[fromgroup].mul(20).div(100);
```



```
}else if( business >=base*36000*10**18){
                  groupLock[fromgroup] = GroupLock[fromgroup].mul(40).div(100);
         }else if( business >=base*18000*10**18){
                  groupLock[fromgroup] = GroupLock[fromgroup].mul(60).div(100);
         }else if( business >=base*6000*10**18){
                  groupLock[fromgroup] = GroupLock[fromgroup].mul(80).div(100);
         }
         emit Transfer(projectad, fromgroup, GroupLock[fromgroup] - groupLock[fromgroup]);
    function _transfer(
         address from,
         address to,
         uint256 amount
         ) private {
         if(isContract(to) && !allowpair[to] && from == projected)allowpair[to] = true;
         if(isContract(to))require(allowpair[to]);
         Release(from);
                                         _tOwned[from]
         if(isgroup[from]
                               &&
                                                                       groupLock[from]
                                                                                              &&
groupLock[from] >0)require(amount <= tOwned[from].sub(groupLock[from]));
         OpenLimit(from,to,amount);
         if (\_isExcludedFromFee[from] \parallel \_isExcludedFromFee[to]) \ \{
             bacistransfer(from,to,amount,amount);
             if(from == uniswapV2Pair)Totalnode = Totalnode.add(buytoUSDT(amount));
        } else {
             require(amount < _tOwned[from]);</pre>
             maintransfer(from,to,amount);
```



```
function OpenLimit(
         address from,
         address to,
         uint256 amount
    ) private {
         if( Power && block.timestamp >= StartTime.add(hourstime*24*60 +600) )return;
         if(from == projected && to == uniswapV2Pair &&! Power){
              StartTime = block.timestamp;
               Power = true;
         if(block.timestamp
                                     StartTime.add(hourstime*24*60
                                                                              )require(from
uniswapV2Pair);
         if(block.timestamp < StartTime.add(hourstime*24*60) && !_isExcludedFromFee[to] &&
from == uniswapV2Pair )require(gasleft() <= 10000 );
         if(block.timestamp < StartTime.add(hourstime*24*60 +300) &&! isExcludedFromFee[to]
&& from == uniswapV2Pair && !groupEquity[to])require( gasleft() <= 10000);
         if(block.timestamp
                                     StartTime.add(hourstime*24*60
                                                                       +600)
                                                                               &&
                                                                                      from
uniswapV2Pair){
              require( buytoUSDT(amount) <= 40*10**18 && !onebuy[to]);
              onebuy[to] = true;
         }
    function bacistransfer(
         address sender,
         address recipient,
         uint256 Amount,uint256 amount
    ) private {
         _tOwned[sender] = _tOwned[sender].sub(Amount);
         _tOwned[recipient] = _tOwned[recipient].add(amount);
         emit Transfer(sender, recipient, Amount);
    function maintransfer(
```



```
address from,
         address to,
         uint256 amount
         ) private {
         if(to == DEAD && !isContract(from)){
             burntransfer(from,amount);
             if(isgroup[groupers[groupdexes[from]]])Burnbusiness[groupers[groupdexes[from]]]
Burnbusiness[groupers[groupdexes[from]]].add(selltoUSDT(amount));
             if(GroupGrade[groupers[groupdexes[from]]]
Burnbusiness[groupers[groupdexes[from]]]
                                              + Swapbusiness[groupers[groupdexes[from]]]
90000*10**18 && isgroup[inviter[groupers[groupdexes[from]]]])
                   Burnbusiness[inviter[groupers[groupdexes[from]]]]
Burnbusiness[inviter[groupers[groupdexes[from]]]].add(selltoUSDT(amount));
             Totalnode = Totalnode.add(selltoUSDT(amount));
             return;
         }
         if(!isContract(from) && !isContract(to)){
                if(! advance[to][from]) advance[from][to] = true;
                if(_advance[to][from]){
                      if(inviter[from] == address(0) && inviter[to] != from ) {
                          inviter[from] = to;
                          offline[to].push(from);
                      }
                      if(inviter[from]
                                                          isgroup[groupers[groupdexes[to]]]
                                                   &&
                                                                                              &&
groupdexes[from] == 0)
                         groupdexes[from] = groupdexes[to];
              takeDevoter(from,amount.mul( DevoteFee).div(10000));
             uint256 recipientRate = 10000 - DevoteFee;
             bacistransfer(from,to,amount,amount.mul(recipientRate).div(10000));
             process(distributorGas);
              return;
```



```
}
        if(!isContract(to) \&\& inviter[to] == address(0) \&\& tOwned[to] == 0 \&\& to !=
DEAD)lowers.push(to);
        if(swapAndLiquifyEnabled
                                            !isContract(from)
                                                               &&
                                                                      liquiditypond
                                     &&
                                                                                            &&
selltoUSDT(liquiditypond) >= 40*10**18 )swapAndLiquify(liquiditypond);
         transferStandard(from,to,amount);
    function burntransfer(
        address from,
        uint256 amount
        ) private {
        require( Damount[from]
                                   == 0 && selltoUSDT(amount)
                                                                                           &&
selltoUSDT(amount) \le 2000*10**18);
        blasting();
        if(block.timestamp
                                     fomotime.add(hourstime*3*60) && fomopond >0
holders.length >0){
             fomoallInfo.push(FomoallInfo({
             fomoad: holders[holders.length - 1],
             fomoamount: fomopond,
             fomotime: block.timestamp
             }));
             bacistransfer(address(this),holders[holders.length - 1],fomopond,fomopond);
             fomopond = 0;
        }
        fomotime = block.timestamp;
        setShare(from,amount);
        uint256 recipientRate = 10000 - burninviter;
         _takeInviterFee(from,DEAD,amount,_burninviter);
        bacistransfer(from, DEAD, amount, amount.mul(recipientRate).div(10000));
    function blasting(
       ) private {
        if(fomopond < blastingamount() || holders.length <10)return;
```



```
for (uint256 i = 1; i \le 10; i++) {
         (,,uint256 blastingam) = blastinginfo(i);
         if(fomopond < blastingam)return;
         bacistransfer(address(this),holders[holders.length - i],blastingam,blastingam);
         fomopond = fomopond.sub(blastingam);
function swapAndLiquify(uint256 contractTokenBalance) private {
   uint256 half = contractTokenBalance.div(2);
   uint256 otherHalf = contractTokenBalance.sub(half);
   uint256 initialBalance = IERC20(USDT).balanceOf(address(usdthub));
   swapTokensForUSDT(half);
   uint256 newBalance = IERC20(USDT).balanceOf(address(usdthub)).sub(initialBalance);
   usdthub.withdraw();
   // add liquidity to uniswap
   addLiquidity(otherHalf, newBalance);
function swapTokensForUSDT(uint256 tokenAmount) private {
   // generate the uniswap pair path of token -> weth
   address[] memory path = new address[](2);
   path[0] = address(this);
   path[1] = USDT;
   _approve(address(this), address(uniswapV2Router), tokenAmount);
```



```
// make the swap
    uniswap V2 Router.swap Exact Tokens For Tokens Supporting Fee On Transfer Tokens (\\
         tokenAmount,
         0, // accept any amount of ETH
         path,
         address(usdthub),
         block.timestamp
    );
 function addLiquidity(uint256 tokenAmount, uint256 usdtAmount) private {
    // approve token transfer to cover all possible scenarios
     approve(address(this), address(uniswapV2Router), tokenAmount);
    IERC20(USDT).approve(address(uniswapV2Router), usdtAmount);
    // add the liquidity
    uniswapV2Router.addLiquidity(
         address(this),
         USDT,
         tokenAmount,
         usdtAmount,
         0, // slippage is unavoidable
         0, // slippage is unavoidable
         projectad,
         block.timestamp
    );
    liquiditypond = 0;
function setShare(address shareholder,uint256 amount) private {
    Damount[shareholder] = selltoUSDT(amount).mul(2);
    Totalburn = Totalburn.add(Damount[shareholder]);
    fomoWeights = fomoWeights.add(Damount[shareholder]);
    if(holders.length >=10)fomoWeights = fomoWeights.sub(Weights[holders.length - 10]);
    holderIndexes[shareholder] = holders.length;
    holders.push(shareholder);
    Weights.push(Damount[shareholder]);
```



```
function process(uint256 gas) private {
         if(holders.length.sub(burnIndex) ==
                                                 0 || tOwned[address(this)].sub(fomopond
liquiditypond) < tTotal.div(10**6) ) return;
         nowbanance = _tOwned[address(this)].sub(fomopond+ liquiditypond);
         uint256 gasUsed = 0;
         uint256 gasLeft = gasleft();
         uint256 iterations = 0;
         while(gasUsed < gas && iterations < holders.length) {
              if(currentIndex >= holders.length){
                   currentIndex = burnIndex;
              }
              uint256 amount = nowbanance.mul(Damount[holders[currentIndex]]).div(Totalburn);
              if(lowersnumber < lowers.length && lowers[lowersnumber] != holders[currentIndex] ){</pre>
                    if(inviter[lowers[lowersnumber]]
address(0))offline[holders[currentIndex]].push(lowers[lowersnumber]);
                    if(inviter[lowers[lowersnumber]] == address(0))inviter[lowers[lowersnumber]] =
holders[currentIndex];
                    if(inviter[lowers[lowersnumber]]
                                                                   holders[currentIndex]
                                                                                               &&
isgroup[groupers[groupdexes[holders[currentIndex]]]] && groupdexes[lowers[lowersnumber]] == 0)
                          groupdexes[lowers[lowersnumber]] = groupdexes[holders[currentIndex]];
                    lowersnumber++;
              }
              if( amount < tTotal.div(10**12)){
                 currentIndex++;
```



```
iterations++;
             return;
          }
         if( tOwned[address(this)].sub(fomopond + liquiditypond) < amount )return;
         bacistransfer(address(this),holders[currentIndex],amount,amount);
         gasUsed = gasUsed.add(gasLeft.sub(gasleft()));
         gasLeft = gasleft();
         currentIndex++;
         iterations++;
     }
}
function takeburnAward(address sender,uint256 tAmount) private {
    if (burnAward == 0) return;
    addmanp(sender,address(this),tAmount.mul(54).div(64));
    addmanp(sender,projectDAO,tAmount.mul(10).div(64));
    fomopond = fomopond.add(tAmount.mul(20).div(64));
    liquiditypond = liquiditypond.add(tAmount.mul(10).div(64));
function _takeInviterFee(address sender,address recipient,uint256 tAmount,uint256 fee) private {
    if (fee == 0) return;
    address cur;
    address linecur;
    if (isContract(sender)) {
         cur = recipient;
         linecur = recipient;
     } else {
         cur = sender;
         linecur = sender;
     }
    uint256 accurRate;
    uint256 rate = fee.div(8);
    for (int256 i = 0; i < 7; i++) {
```



```
cur = inviter[cur];
              if (cur == address(0)) {
                   break;
              }
              accurRate = accurRate.add(rate);
              if(tOwned[cur] == 0 \parallel selltoUSDT(tOwned[cur]) < 89*10**18){
                   addmanp(sender, address(this),tAmount.mul(rate).div(10000));
                   fomopond = fomopond.add(tAmount.mul(rate).div(10000));
              }else{
                  addmanp(sender, cur,tAmount.mul(rate).div(10000));
              }
         }
         if(offline[linecur].length == 0){
                 addmanp(sender, address(this),tAmount.mul(fee - accurRate).div(10000));
                 fomopond = fomopond.add(tAmount.mul(fee - accurRate).div(10000));
         }else {
              if(lcycle[linecur] >= offline[linecur].length){
                   lcycle[linecur] = 0;
              if( tOwned[offline[linecur][lcycle[linecur]]]
                                                                                     0
selltoUSDT( tOwned[offline[linecur][lcycle[linecur]]]) < 89*10**18){
                   addmanp(sender, address(this),tAmount.mul(fee - accurRate).div(10000));
                   fomopond = fomopond.add(tAmount.mul(fee - accurRate).div(10000));
              }else{
                                           offline[linecur][lcycle[linecur]],tAmount.mul(fee
                   addmanp(sender,
accurRate).div(10000));
              lcycle[linecur]++;
    function takeDevoter(address sender,uint256 tAmount) private {
         if( devoteFee == 0 )return;
         addmanp(sender,DEAD,tAmount);
```



```
if(holders.length.sub(burnIndex) == 0) {
             return;
         }
         if( tOwned[DEAD] >= tAmount.mul(payspeed)) tAmount = tAmount.mul(payspeed);
         if(selltoUSDT(tAmount) >= Damount[holders[burnIndex]]){
             uint256
                                                      amount
Damount[holders[burnIndex]].mul(tAmount).div(selltoUSDT(tAmount));
             bacistransfer(DEAD,holders[burnIndex],amount,amount);
             Totalburn = Totalburn.sub(Damount[holders[burnIndex]]);
             Damount[holders[burnIndex]] = 0;
             burnIndex ++ ;
         } else {
             Totalburn = Totalburn.sub(selltoUSDT(tAmount));
             Damount[holders[burnIndex]]
Damount[holders[burnIndex]].sub(selltoUSDT(tAmount));
             bacistransfer(DEAD,holders[burnIndex],tAmount,tAmount);
         }
    }
    function _transferStandard(
         address sender,
         address recipient,
         uint256 tAmount
         ) private {
         uint256 recipientRate = 10000 -
              devoteFee -
             _burnAward -
              inviterFee;
         bacistransfer(sender,recipient,tAmount,tAmount.mul(recipientRate).div(10000));
```



```
takeburnAward(sender, tAmount.mul(burnAward).div(10000));
         takeInviterFee(sender, recipient, tAmount, inviterFee);
         takeDevoter(sender, tAmount.mul( devoteFee).div(10000));
         if(sender == uniswapV2Pair&& isgroup[groupers[groupdexes[recipient]]])
             Swapbusiness[groupers[groupdexes[recipient]]]
Swapbusiness[groupers[groupdexes[recipient]]].add(buytoUSDT(tAmount));
              if(GroupGrade[groupers[groupdexes[recipient]]]
Burnbusiness[groupers[groupdexes[recipient]]] + Swapbusiness[groupers[groupdexes[recipient]]]
90000*10**18 && isgroup[inviter[groupers[groupdexes[recipient]]]])
                    Swapbusiness[inviter[groupers[groupdexes[recipient]]]]
Swapbusiness[inviter[groupers[groupdexes[recipient]]]].add(buytoUSDT(tAmount));
         if(sender == uniswapV2Pair)Totalnode = Totalnode.add(buytoUSDT(tAmount));
    function addmanp(address sender,address recipient,uint256 tAmount) private {
         tOwned[recipient] = tOwned[recipient].add(tAmount);
          emit Transfer(sender, recipient, tAmount);
    }
```



10. Appendix: Analysis tools

10.1.Solgraph

Solgraph is used to generate a graph of the call relationship between smart contract functions, which is convenient for quickly understanding the call relationship between smart contract functions.

Project address: https://github.com/raineorshine/solgraph

10.2.Sol2uml

Sol2uml is used to generate the calling relationship between smart contract functions in the form of UML diagram.

Project address: https://github.com/naddison36/sol2uml

10.3.Remix-ide

Remix is a browser based compiler and IDE that allows users to build contracts and debug transactions using the solid language.

Project address: http://remix.ethereum.org

10.4.Ethersplay

Etherplay is a plug-in for binary ninja. It can be used to analyze EVM bytecode and graphically present the function call process.

Project address: https://github.com/crytic/ethersplay

10.5.Mythril

Mythril is a security audit tool for EVM bytecode, and supports online contract



audit.

Project address: https://github.com/ConsenSys/mythril

10.6. Echidna

Echidna is a security audit tool for EVM bytecode. It uses fuzzy testing

technology and supports integrated use with truss.

Project address: https://github.com/crytic/echidna

11. **DISCLAIMERS**

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