# Serious Black: A Deflationary Reflection Token with automated liquidity acquisition

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## Abstract

Serious Black Protocol aims to solve the problems of previous cryptocurrencies, including mining premiums, agriculture Rewards and liquidity provision. Mining equipment can be both costly and polluting, but mining remains interesting because of the possibilities. As a simple alternative to mining rewards, we suggest giving users the opportunity to Take part in a smart contract token reflection to produce tokens in your own wallet. Another challenge remains Facilitating and maintaining liquidity on decentralized exchanges. Decentralized exchanges naturally require liquidity for the user Participation, so it is the responsibility of the developers to provide it. In the past, developers have created incentives aimed at To provide users with liquidity that may be outweighed by the risk due to the subjectivity of the temporary loss. We have the solution suggest using a smart contract feature to automatically capture liquidity to be used on the decentralized exchanges, and be kept in custody regardless of the user's possession. In addition, a smart contract that offers the option of burning tokens can promote scarcity by reducing the total supply. Together, the combination of these token can beomics far superior to Benefits for the community within the decentralized venue. Allow these functions to be amplified and dependent on Volume provides an ideal incentive to accelerate adoption and encourage new use cases.

## 1. Introduction

The decentralized financing is smart through the use of decentralized exchanges in cooperation with the liquidity pool. enables Contracts. In order for a token in the smart chain to be available that can be exchanged on a decentralized exchange, it must be available an available liquidity pool of tokens to swap. The challenge continues to be how to encourage users to keep such content Maintain liquidity pools.

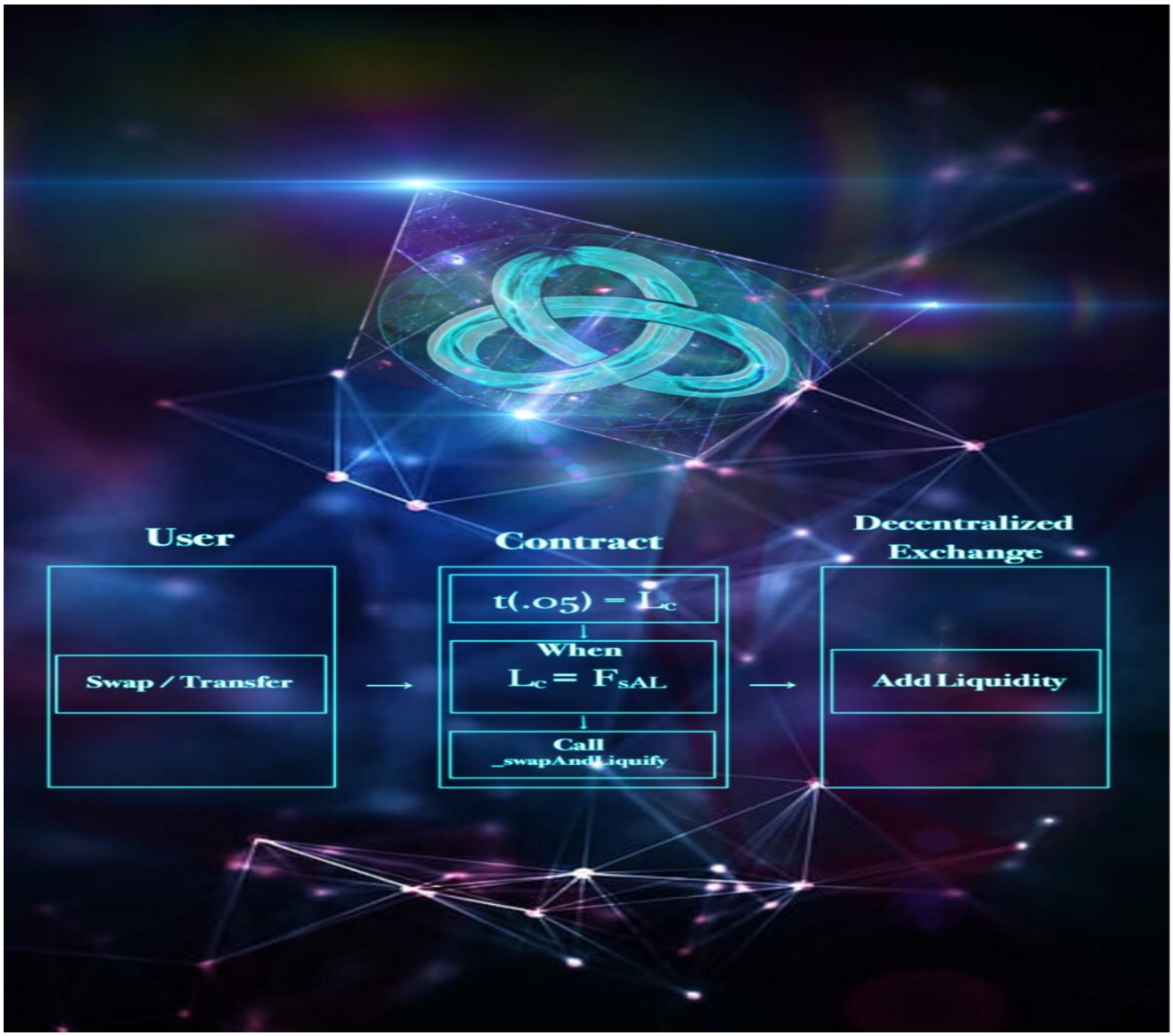
In view of this, developers have tried to meet these conditions by using various economic structures Incentives for the user to feed liquidity into the pools. Alternatively, automatic liquidity generation can be offered Solution compared to the traditional “Farming Reward” structure. An automatic liquidity capture functionwhere the user rewards are offered (through

reflection) instead of traditional agricultural rewards. These considerations would serve to distribute tokens proportional to volume and so could provide a reasonable incentive to hold. Though reflection and automatism Raising liquidity can add stability, an inherent burn that can cause token shortages with a depreciating token deliver. The combination of these Token Comics tries to eliminate the errors of various predecessors and at the same time useful Incentives for use cases and acceptance. In fact, any applicationwith these smart contract features could added have the effect of amplifyingtokenomics Sirius Black's .

## 2. Automated liquidity procurement

We know that liquidity is vital in any trading environment. By definition, decentralized liquidity is simply that Accessibility of tokens operated and controlled by a smart contract - hosted by a decentralized exchange. Historically, Market Makers were used to provideto buyers and sellers on traditional order book exchanges better user service Experience. The main function of these market maker services was to execute buy and sell orders in a timely manner and reduce them overall Market volatility due to large orders. However, traditional order books have long been overtaken by newer technologies, and were replaced by liquidity pools at a decentralized trading venue. Just like market makers for providing a Service in the order book environment , suitable incentives for the liquidity supply are a key factor in any decentralized Surroundings. Problems arise when the liquidityprovider poolloses the incentive to add tokens to the pool, which occurs after the token pair experiences temporary loss due to arbitrage.

As a solution, liquidity can be taken as a function of the smart contract using the market activity of all swaps and Transfers. Some of these swaps and transfers are recorded by the smart contract and used with the *"_swapAndLiquify"* function. To achieve this, the portion of the 3% fee from swaps and transfers can be kept in a separate pool within the contract itself and automatically converted into the liquidity pool as soon as the number of tokens reaches a threshold value at 500 billion tokens. The liquidity is then managed by the contract when it is sold and paired accordingly, which means that users do notconstant loss scenarios have to expose themselves to. Large pools of liquidity reduce this The volatility of the swap affects the overall supply available. Therefore, thecan have carliquidity when the token expires due to an ever-increasing market stability that is able to absorb large market activity.

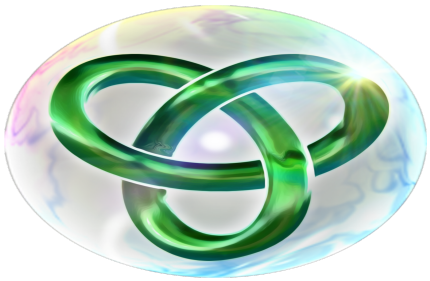

User
Swap / Transfer
Contract
t(.05) = Lc
When
Lc = FsAL
Call
_swapAndLiquify
Decentralized
Exchange
Add Liquidity

### 3. Token reflection

Traditional mining is both costly and inconvenient for the user. Smooth, static reflection bonuses are amassed through Just hold your tokens and has an innovative hold farming reward structure that stands out from traditional ones Pool farming rewards. The idea behind this feature is to remove token dependencies that are causing problems in the Past including, but not limited to:

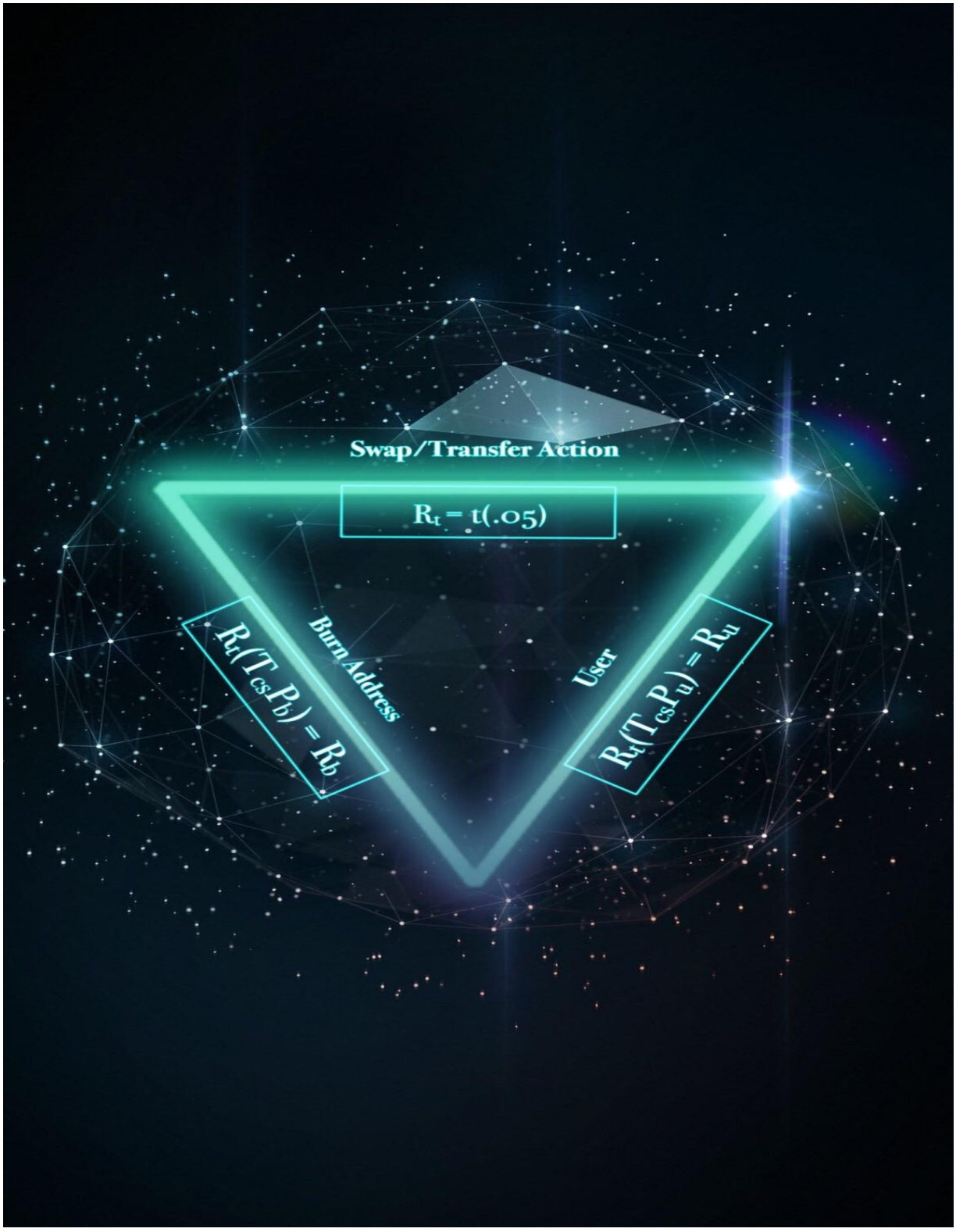
**1. Pooling funds in unverified third-party smart contracts;**
**2. External website interfaces;**
**3. Transaction fees required to claim awards.**

Earlier models of decentralized financial tokens such as pool farming are costly and based on manual user actions compound rewards. As a solution, we propose to use a compound reward structure, not additional Fees in a smart contract function, also known as token reflection. To achieve this, the reflection must be free of charge or Effects on the user. Given the static reflection rate of 3 %, the volume of market activity directly affects the Amount of token reflection based on the percentage of tokens the user holds relative to the total supply. With the "*_excludeFromReward*" function activated for individual addresses, accounts such as exchanges, hot wallets, Dapps, etc. can be excluded from token reflection, which means that individual owners are granted more rewards.



### 4. Write-off of supply & burn addresses

In a decentralized smart chain environment, contract functions can be used to achieve token shortages. In order to do this, We suggestrewards to the Brenn address distributingas well, which is publicly verifiable for all participants. We can then Track the written off offer in real time for added transparency. In our efforts to establish a baseline token burn rate, we find: that these values depend on three important factors: reflectance, token amount and market volume. The rate of Reflection Rewards is proportional to the total offer in each holder's wallet address. It is important to note that there are two certain variables that affect our calculations: the increasing scarcity of tokens and the amount of tokens absorbed in the Brenn address. It can reasonably be understood that these features have synergistic effects that can stabilize this Burning speed in the future.


Swap/Transfer Action
$R_t = t(.05)$
Burn Address
$R_t(T_{cs}P_b) = R_b$
User
$R_t(T_{cs}P_u) = R_u$