V-POW White Paper

The second law of thermodynamics, also known as the law of entropy increase, determines the final destination of the universe - heat death. At that grand end, all will return to disorder and chaos.

This may be the end of any organizational system, the collapse of a society, the collapse of a large corporation, the collapse of an empire.The mission of human beings is to continuously reduce the entropy value, increase the degree of order, and fight against all disorder and collapse by gathering and using more matter and energy.

Why do human beings explore the universe and emigrate to alien planets, because only one meteorite is needed to completely destroy human beings, and human beings must fight against all these.

The creator of Bitcoin achieved entropy reduction through code constraints. And through his own retreat, he achieved a huge reduction in entropy.

POW Proof of Work is the greatest and most successful consensus in human history. POW absorbs the negative entropy of electric energy and inputs it into the entire Bitcoin system to maintain the balance and development of the system. Bitcoin is halved every 4 years, and the increment of the system will decrease linearly every 4 years. After the final mining is completed, miners will only be able to mine the transfer fee and get rewards from the transfer fee.
This is entropy reduction, an invisible rein that prevents the Bitcoin system from going into chaos. With the increase of negative entropy input, the cost of trying to modify the distributed ledger of Bitcoin is extremely expensive and impossible.

A product, a concept, a set of philosophy, except for the first inventor, others are imitators or improvers. Only the first person to invent can attract the most external energy input.

The imitator (altcoin) can effectively counter the entropy increase of its own system and maintain the development of the system if it can attract enough external energy input through the improvement of the mechanism.

POW cannot solve the problem of blockchain expansion. Numerous blockchain practitioners have proposed the POS consensus, proof of stake, but stakers will not pay any cost, and will not input energy to the system, even if energy is input through other means. Negligible.

A system in which entropy reduction cannot counteract entropy increase, even if there is a destruction and punishment mechanism to counter entropy increase, will eventually perish. With the development of the blockchain, there is currently no successful POS blockchain system. It remains to be seen whether the transfer of Ethereum to POS will succeed.

Let's go back to the EOS system. In the EOS system, the consumption of maintaining nodes is extremely small, and this energy is not enough to counteract the entropy increase of the system. The initial design of EOS is to make a large amount of EOS locked by stakers through the prosperous EOS ecology, so that the whole system tends to be stable and the entropy is reduced.Under the existing voting and reward mechanism, a fixed number of nodes enjoy a fixed additional issuance, and the additional issuance does not give reasonable rewards to people or organizations that provide orderly behavior.This is entropy increase, which will make the system more chaotic without a halving mechanism and cannot effectively attract external energy.

An isolated system will develop in an increasingly disordered direction. Most projects on EOS do not bring entropy reduction to EOS, but instead aggravate entropy increase and chaos.

The reason for the failure of selecting all stakersd mining projects on EOS is the increase in the degree of confusion caused by the increase in entropy, which eventually leads to the collapse of the entire system (EOS DAPP economic model). The rewards for additional issuance of EOS nodes and the DAPP for token stakers mining rewards on EOS, the existing reward model will not make the system of EOS and EOS DAPP more orderly,The token reward itself does not make the internal behavior of the system orderly, because you can reward disorderly behavior, thereby pushing the system to develop in the direction of disorder, and this disorder is not easy to be found.The same is true for systems with punishment mechanisms that punish orderly behavior.

In all the chaotic eras in history, the rulers did not lack reward and punishment mechanisms, but what they lacked was reward and punishment mechanisms that could bring order.The stakers reward here even becomes Schrödinger's cat. Before the reward is claimed or distributed, you can't be sure whether your reward is ordered or disordered.

The V-POW philosophy can solve the problem of entropy increase in the EOS system. V-POW is the abbreviation of visual proof of work. Virtual Proof of Work as the name suggests.

V-POW is not a set of protocols with fixed codes, but a blockchain philosophy. By simulating the POW protocol on a high-performance blockchain, he gives his own system and the high-performance blockchain system that is carrying V-POW , while bringing entropy reduction, just like countless bitcoins
Mining machines reuse countless electricity, run fixed codes, calculate hash values, and compete for accounting rights and rewards. This seemingly disorderly and chaotic behavior brings entropy reduction to Bitcoin and maintains the huge system of Bitcoin. stable development.

Use the V-POW protocol. Any design that simulates Bitcoin entropy reduction, DAPPs and basic protocols running on high-performance blockchains can be regarded as V-POW. V-POW is a set of philosophical thinking, used to improve the problem that the POS and DPOS protocols cannot combat entropy increase, V-POW maintains order in the system by simulating disorder.
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V-POW must meet the following three basic elements
1. The system must have continuous energy input.
2. The system must have continuous wear and tear.
3. The system must reward order provider.

Why V-POW must be implemented on a high-performance, low-cost blockchain. Performance determines the efficiency of energy input and loss. As long as the three elements of V-POW are met, it can bring entropy increase to its own system, and the low TPS of the low-performance blockchain will limit the input of V-POW negative entropy.High-performance blockchain, as developers continue to develop and expand performance, the efficiency of negative entropy input is increasing day by day.

The WEBX is a DAO project implemented on the EOS blockchain using the V-POW philosophy. The content of WEBX is detailed in the WEBX project white paper.