Proof of Work Algorithms for Solving NP-Complete Problems

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Abstract

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1   Introduction

The large scale success of cryptocurrency platforms such as Bitcoin[1] and Ethereum[2] and many others stands to change the nature of computational networks as we know them. Bitcoin has proven to be a reliable way to transfer value in a secure and efficient manner and Ethereum is showing great promise in the de-centralization not only of transaction management but also of software execution in general.

2   Methods

3   Results

4   Discussion

References

[1] Satoshi Nakamoto. Bitcoin: A peer-to-peer electronic cash system, 2008.

[2] Gavin Wood. Ethereum: A secure decentralised generalised transaction ledger. *Ethereum Project Yellow Paper*, 151, 2014.