

AL-AZHAR UNIVERSITY
FACULTY OF ENGINEERING
COMPUTERS & SYSTEMS ENGINEERING
DEPARTMENT

Decentralized Vault:

A Blockchain-based decentralized encrypted cloud storage

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BACHELOR THESIS

1TH AUGUST 2022

Abstract

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Statement of Originality

This statement is to certify that to the best of our knowledge, the content of this thesis is our work. This thesis has not been submitted for any degree or other purposes.

We certify that the intellectual content of this thesis is the product of our work and that all the assistance received in preparing this thesis and sources has been acknowledged.

Abd El-Twab M. Fakhry
Hossam A. Eissa

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We would like to acknowledge Dr. Abdurrahman Nasr, our project supervisor, providing us advice and assisting us with different views of system design, development, deployment, scalability, and attacks mitigation. His guidance has been a cornerstone in software engineering, cloud computing, and cryptography.

Last but not least, we would appreciate our parents, teachers, seniors, and friends for their support and constant inspiration.

Sincerely,

Abd El-Twab M. Fakhry
Hossam A. Eissa

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Chapter 1

Introduction

I once had a dream, I was doing big brain stuff in that dream [1].

Chapter 2

Solving $P = NP$

2.1 Proof

See below for irrefutable proof, extreme care and rigour has been shown in this proof by Legendary-ness Index Coefficient (LIC).

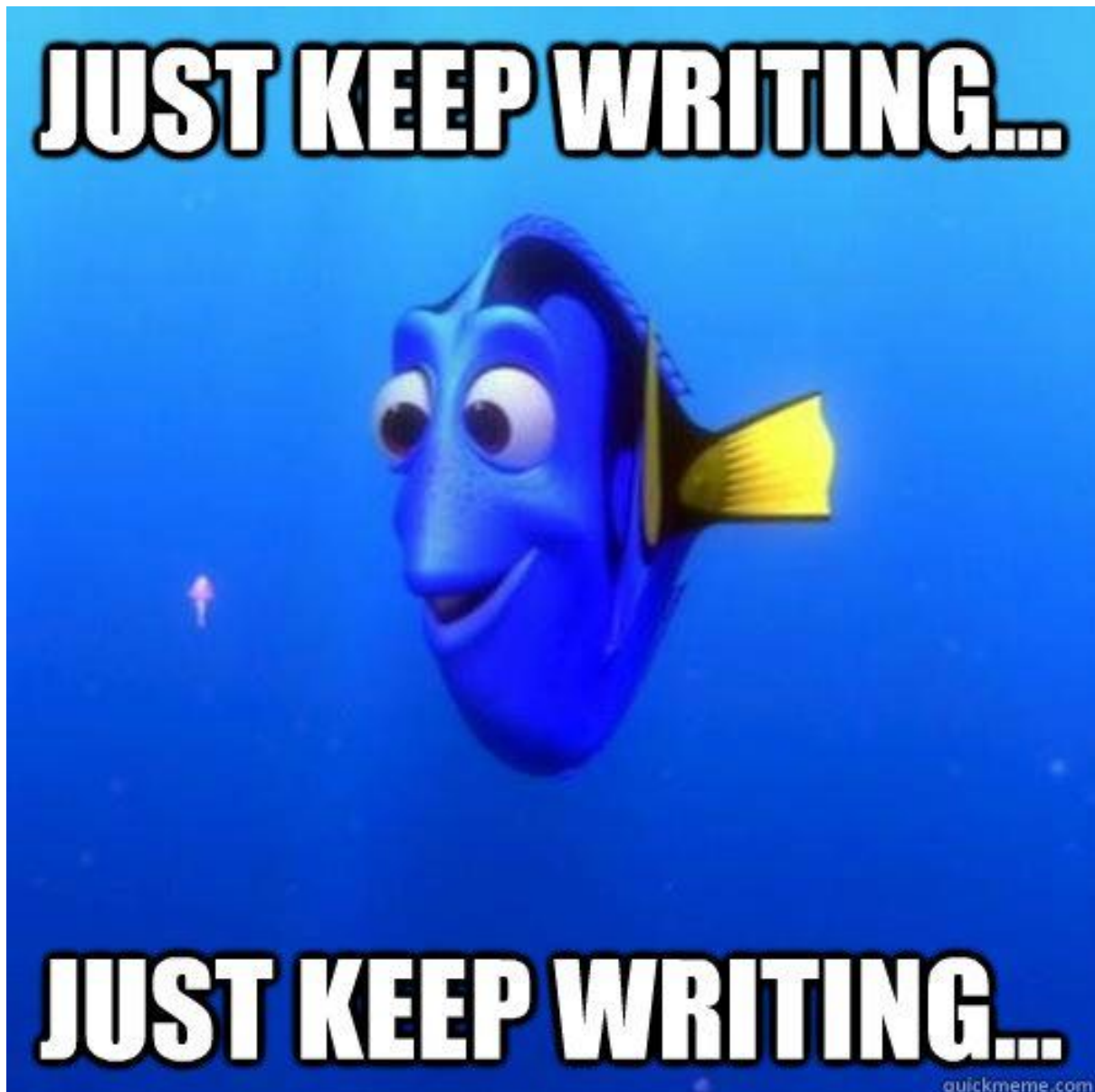


Figure 2.1: Clear proof of theorem.

As stated in the LIC theorem, I'm right.

Chapter 3

Greatest Common Divisor

Greatest Common Divisor Least Common Multiple (LCM)
Mathematics Formulas Latex

Appendix

Bibliography

Articles

- [1] A. Einstein, “How i created the theory of relativity,” *Physics today*, **jourvol** 35, **number** 8, **pages** 45–47, 1982.

Glossary

Acronyms

GCD Greatest Common Divisor

LCM Least Common Multiple

LIC Measure of legendary-osity.

Terminology

formula A mathematical expression

latex Is a markup language specially suited for
scientific documents

mathematics Mathematics is what mathematicians do

List of Figures

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| 2.1 | Clear proof of theorem. | 2 |
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Listings

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