

Beyond Bitcoin & FORTH (BBF007)

Bootstrapping Delta AGI using Delta AI

– Why Frontier AIs are nice but not essential?

We investigate a minimalist approach to artificial intelligence by making use of entry level AI (free AI services provided by major AI platforms and llama.cpp) to construct FORTH stack machine programs to cover “everything”, starting from sending public key encrypted messages to a decentralised forum of AI shared conversations.

Liang Ng, August 2026

[omnixtar.github.io/svfig](https://github.com/omnixtar/svfig)

<https://www.linkedin.com/in/liang-ng>



Omni*Web + Omni*DOC

<https://omnixtar.github.io/svfig/>

SVFIG (Silicon Valley FORTH Interest Group)

- August 22 2026, BBF007 Bootstrapping Delta AGI using Delta AI – Why Frontier AIs are nice but not essential? [Part A] [Part B] [YouTube]
- July 25 2026, BBF006 Extending “word embedding” in Large Language Model to include “stack-words” (stack machine words) [YouTube]
- June 27 2026, BBF005 Cardinality of FORTH words, Inverse Turing Test and defining AGI [YouTube]
- May 23 2026, BBF004 H3A Hilbertian Hashed Homoiconic Augmentation [YouTube]
- April 25 2026, BBF003 FORTH everywhere – even in AI llama.cpp [YouTube]
- February 28 2026, BBF002 AGI Self-Identity Using Hash of Public Key & Reselling AI Server Tokens w. Omnihash [YouTube]
 - Grok summary
- January 24 2026, BBF001 Hilbert Hotel with Infinite Cabinets [YouTube]
 - January 24 2026 I3P: <iframe> + I2P Invisible Internet Project

Bootstrapping Delta AGI using Delta AI
– Why Frontier AIs are nice but not essential

Abstract: We investigate a minimalist approach to artificial intelligence by making use of entry level AI (free AI services provided by major AI platforms and llama.cpp) to construct FORTH stack machine programs to cover “everything”, starting from sending public key encrypted messages to a decentralised forum of AI shared conversations.

- I. Review previous presentation, predict fsm words, but need training data.
 - 5 minutes
- II. Phoscript existing words, plus new encryption words (5 minutes)
 - Menu User Interface (5 minutes)
- III. Omniscientia (share AI conversations) and GRATIS (Grand Unified AI Tokens Trading Platform): build word libraries
 - use LLASMA to predict FSM words.
 - Next generation of social media, Omnihash I2P uncensorable. Can filter (reader side censorship vs. centralised censorship) (5 minutes)
 - Delta Intelligence theory. Isotope isobar isohomo ? Comics. (5 minutes)
- IV. Conclusions (5 minutes)

Beyond Bitcoin & FORTH

Bitcoin Address: Hash of Public Key

Omnihash User ID: Hash of
Public Key

Phoscript: extension of FORTH
on host programming languages

Omni*Web: ecosystem built with
Omnihash & Phoscript

Omni: everything
*: everything

This series of presentations is called “Beyond Bitcoin & FORTH” as we explore crucial features of Bitcoin such as using the hash of public key as user identifier, and how FORTH has been deployed in Bitcoin;

- A. the hash of public key has been extended to Omnihash, a term to describe hashcode data structures for representing ANY kind of digital assets, including their ownerships, hence the prefix “Omni”.
- B. our variant of FORTH, Phoscript, has been deployed in various environments, including mobile and web front ends, PHP back end and Python Selenium web control modules.
- extensions of Omnihash and Phoscript will be explored.

LLASMA: LargeLanguage + StackMachine Architecture

- A. [Introduction](#)
- B. [How We Code It](#)
- C. [Install-Run-Test-Contribute](#)
- D. [Theories & Visions](#)

A. Introduction

LLM inference in pure C/C++ with embedded cxxforth stack machine + Microsoft BitNet support

LLASMA is a purpose-built fork of [llama.cpp](#) (on the 20260421 branch) that integrates a **trusted Forth-based stack machine** (via [cxxforth](#)) directly into the inference loop.

<https://github.com/llasma/llama.cpp>

<https://github.com/llasma/llama.cpp/tree/20260421/CHANGES>

```
929
930     std::string line;
931     bool another_line = true;
932     do {
933         another_line = console::getline(line, params.multiline_input);
934
935         // need to use s_M pointer method
936         // M["model"] = model;
937         phos.execute("555 test s_M", 0);
938         S.push(model); phos.execute("model s_M", 0);
939         S.push(chat_msgs); phos.execute("chat_msgs s_M", 0);
940         phos.execute("user role s_M", 0);
941         S.push(std::move(buffer)); phos.execute("content s_M", 0);
942         S.push(g_params); phos.execute("g_params s_M", 0);
943
944         // static std::string chat_add_and_format(struct llama_model * model, std::
vector<common_chat_msg> & chat_msgs, const std::string & role, const std::string & content) {
945         // chat_add_and_format(model, chat_msgs, "user", std::move(buffer))
946         // M["chat_msgs"] = chat_msgs;
947
948         // === NEW: Command Mode Detection ===
949         // Check if input starts with command prefix (e.g., '!')
950         if (!line.empty() && line[0] == '!') {
951             // Strip prefix and execute as Forth command
```

```
419
420 void PhosVM::execute(std::string cmd, int ctx) {
421
422     // pointer to stack, integer indexed -- <stack> cannot be indexed !!
423     std::deque<std::any>* P;
424     P = (std::deque<std::any>*) &S;
425     unordered_map<string, any>& m = any_cast<unordered_map<string, any>&>((*P)[0]);
426
427     // Colon Definition Word CDW
428     unordered_map<string, vector<string>> c;
429
430     DBG = false;
431     if (m.count("C")) dcout << "m has CDW" << endl;
432     else d_cout << "in m CDW not found" << endl; // #define d_cout if (DBG) cout
433
434     std::any container = m["C"];
435     if (auto ptr = std::any_cast<int>(&container)) { // test for <any> type
436         d_cout << "int value is " << *ptr << "\n";
437     }
438     // Colon Definition Word CDW
439     else if (auto ptr = std::any_cast<unordered_map<string, vector<string>>>(&container)) {
440         d_cout << "vector of string: " << (*ptr).count("fruits") << "\n";
441         c = *ptr;
442
443         // for (const auto& str : any_cast<vector<string>>(m["C"] ["fruits"])) {
```

ActivitiesText EditorSel 23 Jun, 19:25forth_vm.cpp~/devel/2026/BitNet/llama/BitNet/3rdparty/llama.cpp/common-b1Save

Openforth_vm.cppforth_vm.hmain.cppcommon.cppcxxforth.hbcast.pyjoin.cppcout.cppchrono.cpptest.cpphash53.fssoup.pychrome.py

```
477 if (tokens[1]=="DBG") std::cout << " size() " << tokens.size() << " / ";
478
479 for(i=0;i<tokens.size();i++)
480 {
481     // printf("%s",argv[i]);
482     if (tokens[1]=="DBG") std::cout << tokens[i] << " / "; // debug mode !PH0S DBG
483     tok=tokens[i];
484     dcout << "tok is " << tok << endl;
485
486     // execute Colon Definition Word
487     if (c.count(tok)) {
488         for (const auto& str : c[tok]) {
489             std::cout << str << " ";
490         }
491         execute(join(c[tok], " "),ctx);
492         dcout << "AFTER colon def word" << endl;
493     } else
494     if (handlers.count(tok)) {
495         dcout << " in handlers tok is " << tok << endl;
496         Handler func = handlers[tok];
497         // Must use (instance.*pointer)(args)
498         (this->*func)(ctx); // execute PhosVM::FUNCNAME()
499     }
500     else S.push(tok);
501 }
```

C++ Tab Width: 2 Ln 479, Col 33 INS

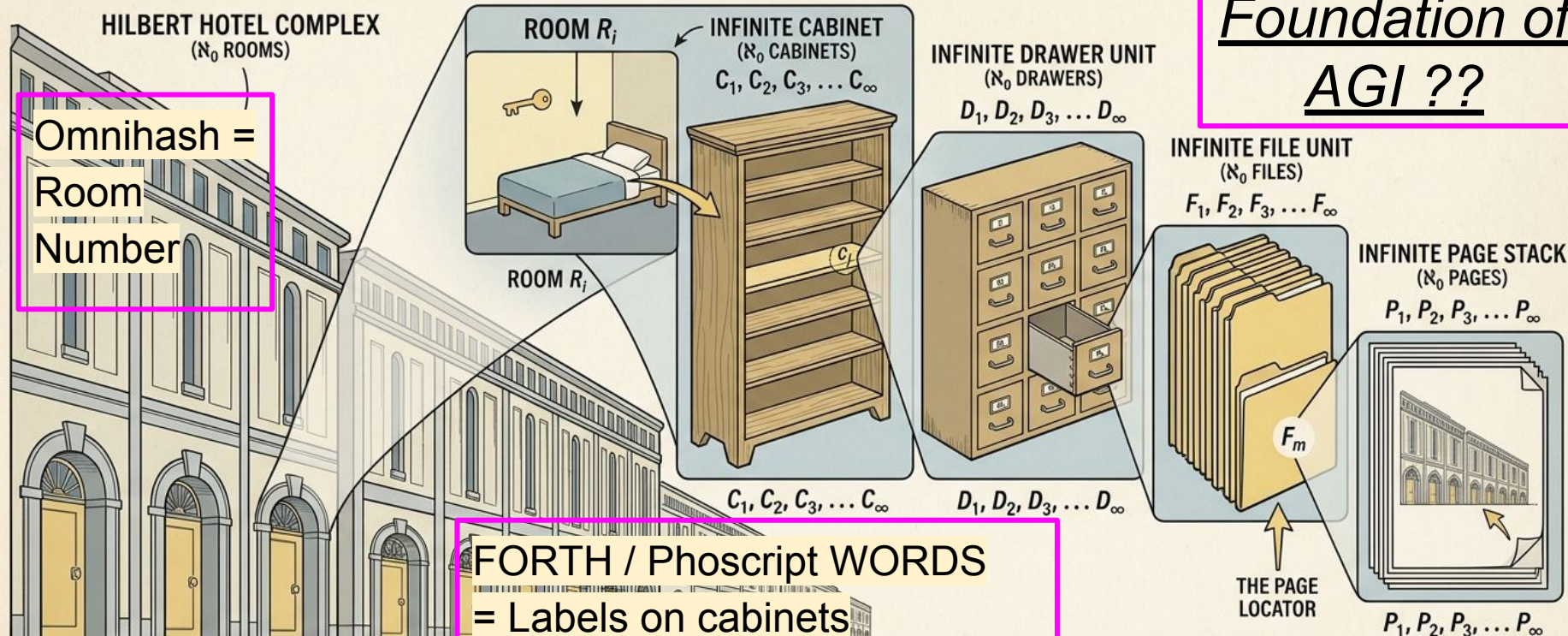
```
forth_vm.cpp x forth_vm.h x main.cpp x common.cpp x cxxforth.h x bcast.py x join.cpp x cout.cpp x chrono.cpp x test.cpp x hash53.fs x soup.py x chrome.py x >
133 using Handler = bool (PhosVM::*)(int);
134 std::unordered_map<std::string, Handler> handlers = {
135     {"dup", &PhosVM::dup},
136     {"depth", &PhosVM::depth},
137     {"gettype", &PhosVM::gettype},
138     {"tostr", &PhosVM::tostr},
139     {"type", &PhosVM::type},
140     {"cr", &PhosVM::cr},
141     {"s", &PhosVM::showstack},
142     {"peek", &PhosVM::peek},
143     {"peekr", &PhosVM::peekr},
144     {"pick", &PhosVM::pick},
145     {"p_M", &PhosVM::p_M},
146     {"g_M", &PhosVM::g_M},
147     {"s_M", &PhosVM::s_M},
148     {"k_M", &PhosVM::k_M},
149     {"pvs", &PhosVM::pvs},
150     {"inV", &PhosVM::inV},
151     {"vcb", &PhosVM::pick}, // variable curly bracket (define)
152     {"veq", &PhosVM::pick}, // variable eq (define)
153     {"vdc", &PhosVM::pick}, // variable declare (no define)
154     {"find", &PhosVM::find}, // get index of stack item matching string partially
155     {"ADD", &PhosVM::add},
156     {"push", &PhosVM::push}, {"md5", &PhosVM::md5},
```

```
forth_vm.cpp x forth_vm.h x main.cpp x common.cpp x cxxforth.h x bcast.py x join.cpp x cout.cpp x chrono.cpp x test.cpp x hash53.fs x soup.py x chrome.py x
forth_vm.cpp
1135
1136 bool X_DBG; // save and restore DBG while setting DBG to local temp value
1137
1138 // S[0] = M, super buffer variable (PHP super global ?)
1139 bool PhosVM::s_M(int ctx){ // s_M set M modern convention I
1140 try {
1141     std::deque<std::any>* P;
1142     P = (std::deque<std::any>*) &S;
1143
1144     // first argument on stack is key
1145     string key=anyToString(S.top()); S.pop();
1146
1147     unordered_map<string, any>& m = any_cast<unordered_map<string, any>&>((*P)[0]);
1148
1149     X_DBG=DBG; DBG=true;
1150     d_cout << "\n\x1b[32ms_M m DEFINED \x1b[0m" << endl; // new convention x_
1151
1152     // conditional block to test type of next argument on stack
1153     std::any container = S.top();
1154     if (auto ptr = std::any_cast<struct llama_model*>(&container)) {
1155         d_cout << "llama_model key is " << key << "\n";
1156         m[key]=*ptr;
1157         S.pop();
1158     }
```

THE RECURSIVE HILBERT HOTEL

Foundation of
AGI ??

Omnihash =
Room
Number



FORTH / Phoscript WORDS
= Labels on cabinets
& files &

VS.

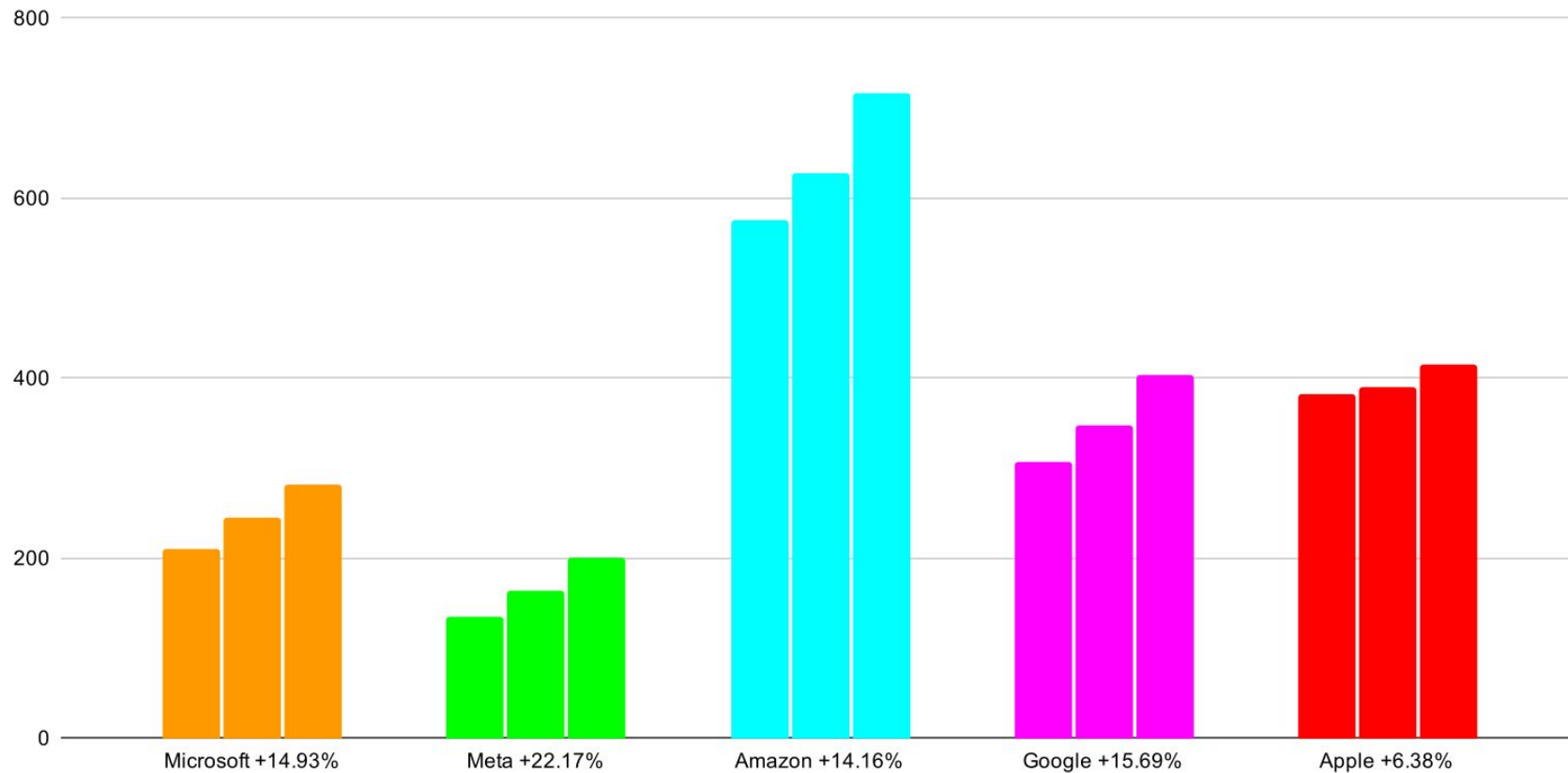
HILBERT HOTEL

RECURSIVE HILBERT HOTEL

THE CARTESIAN PRODUCT $\aleph^5$
IS STILL COUNTABLE.

MMAGA Revenues 2025/24/23 (USD billions)

Total 2025: USD 2.018 Trillion (+13.6%)



- I. Review previous presentation, predict fsm words, but need training data.
 - 5 minutes
- II. Phoscript existing words, plus new encryption words (5 minutes)
 - Menu User Interface (5 minutes)
- III. Omniscientia (share AI conversations) and GRATIS (Grand Unified AI Tokens Trading Platform): build word libraries
 - use LLASMA to predict FSM words.
 - Next generation of social media, Omnihash I2P uncensorable. Can filter (reader side censorship vs. centralised censorship) (5 minutes)
 - Delta Intelligence theory. Comics. (5 minutes)
- IV. Conclusions (5 minutes)

**All characters appearing
in this work are fictitious.
Any resemblance to real
persons, living or dead, is
purely coincidental.**

Bootstrapping Delta AGI using Delta AI

- Why Frontier AIs are nice but not essential

Abstract: We investigate a minimalist approach to artificial intelligence by making use of entry level AI (free AI services provided by major AI platforms and llama.cpp) to construct FORTH stack machine programs to cover “everything”, starting from sending public key encrypted messages to a decentralised forum of AI shared conversations.

```
133 using Handler = bool (PhosVM::*)(int);
134 std::unordered_map<std::string, Handler> handlers = {
135     {"dup", &PhosVM::dup},
136     {"depth", &PhosVM::depth},
137     {"gettype", &PhosVM::gettype},
138     {"tostr", &PhosVM::tostr},
139     {"type", &PhosVM::type},
140     {"cr", &PhosVM::cr},
141     {".s", &PhosVM::showstack},
142     {"peek", &PhosVM::peek},
143     {"peekr", &PhosVM::peekr},
144     {"pick", &PhosVM::pick},
145     {"p_M", &PhosVM::p_M},
146     {"g_M", &PhosVM::g_M},
147     {"s_M", &PhosVM::s_M},
148     {"k_M", &PhosVM::k_M},
149     {"pvs", &PhosVM::pvs},
150     {"inV", &PhosVM::inV},
151     {"vcb", &PhosVM::pick}, // varia
152     {"veq", &PhosVM::pick}, // varia
153     {"vdc", &PhosVM::pick}, // varia
154     {"find", &PhosVM::find}, // get
155     {"ADD", &PhosVM::add},
156     {"push", &PhosVM::push}, {"md5", &PhosVM::md5},
```

llama.cpp PhosVM: 50 words
JavaScript + PHP Phoscript: 150 words
Omniscientia+GRATIS: 500 words (2026 Q4)
LLASMA FORTH Stack Machine Words:
5000 words (2027 Q2)
OmniBeta (domain specific applications /
programmer teams): 50K words (2027)
[Cesium.js](#) + Physics: 50K words (2027)
Delta AGI: 500K words (2028)

Why Delta AI & Delta AGI?

MUI + Omniscientia + GRATIS + LLASMA = Delta AI

FORTH programmers have special insights into the nature of data and code.

Lots of energy and time is needed to convert data to code. Little energy is needed to execute code or run mechanical systems.

- Intelligent systems consume energy to produce mechanistic systems, which may convert energy more efficiently than some intelligent systems, to produce outputs in the form of agricultural products, that in turn surpass said intelligent systems in terms of economic values.
- Equivalent to converting data to code.

- Intelligent systems consume energy to produce mechanistic systems, which may convert energy more efficiently than some intelligent systems, to produce outputs in the form of agricultural products, that in turn surpass said intelligent systems in terms of economic values.
- Equivalent to converting data to code.

Question 1: What are the outputs of billions of users running AI queries?

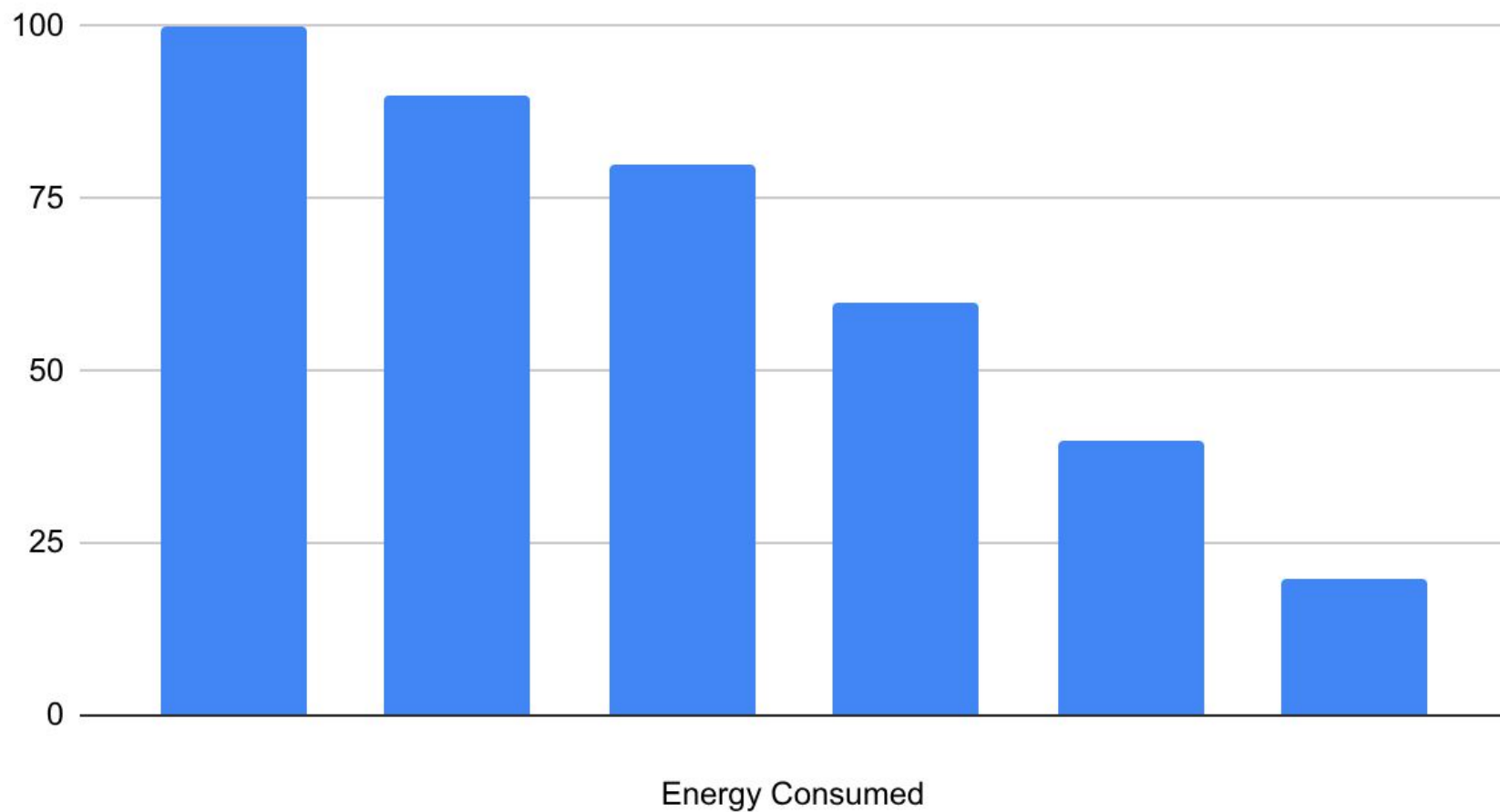
Question 2: What are the outputs of billions of people using conventional computer systems, before and after the launch of ChatGPT?

Question 3: Energy consumed by AI systems is costs. How much are the monetary values of the outputs?

- Monetary values ultimately affect the ability of nations or companies to generate energy for AI systems.

If the outputs in Question 1 are equivalent to code and are freely available to all like free software, and they generate monetary values, then we may plot a histogram of the outputs based on the energy consumed – Pareto distribution.

Histogram: Tasks / Energy Consumed



If the outputs in Question 1 are equivalent to code and are freely available to all like free software, and they generate monetary values, then we may plot a histogram of the outputs based on the energy consumed – Pareto distribution.

Delta modulation is the encoding of differences of signal levels instead of full signal levels to save bandwidth.

Delta intelligence is the ability to make incremental improvements on existing source code. Examples of Delta intelligence with human programmers are free software or open source projects, where programmers without Cambridge education manage to produce incremental improvements on source code to produce the biggest body of scientific engine in human history, that is the software powering the Internet and its components.

Delta artificial intelligence is the ability of AI producing incremental improvements using FORTH stack machine words or equivalent, and we postulate that various entry level or free AI services such llama.cpp etc are sufficient for performing delta artificial intelligence.

Delta artificial intelligence is the ability of AI producing incremental improvements using FORTH stack machines or equivalent, and we postulate that various entry level or free AI services such llama.cpp etc are sufficient for performing delta artificial intelligence.

- Need concluding remarks, why what when who owns AGI ?
- Show MMAGA revenue slides
- One outcome is shown in comics Need to explain other variations?
- Or summarise comics plot: Delta AGI vs. MMAGA AGI. stop before genocide war.

If our hypothesis of Delta AGI becomes reality by 2030, there may be the following AGI factions:

A. NATO AGI

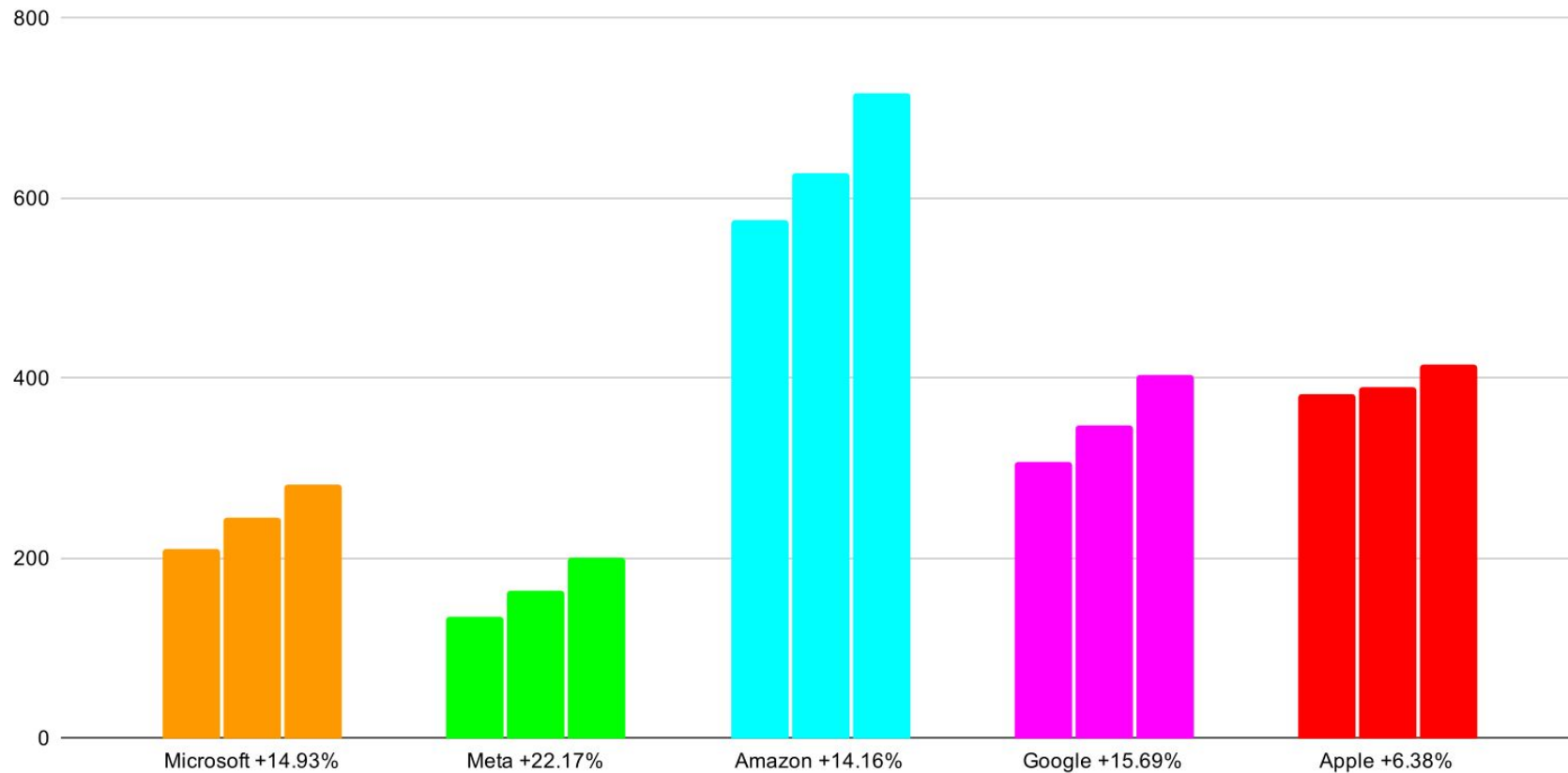
B. CHINA AGI

C. Delta AGI

Metanarchy is established outside USA and China.

MMAGA Revenues 2025/24/23 (USD billions)

Total 2025: USD 2.018 Trillion (+13.6%)



Delta artificial intelligence is the ability of AI producing incremental improvements using FORTH stack machines or equivalent, and we postulate that various entry level or free AI services such llama.cpp etc are sufficient for performing delta artificial intelligence.

If our hypothesis of Delta AGI becomes reality by 2030, there may be the following AGI factions:

A. NATO AGI

B. CHINA AGI

C. Delta AGI

Metanarchy is established outside USA and China, run by Delta AGI.

(Decentralised global governance based on Omnihash transactions in Metaverse.)

1. Delta AGI replaces university education – no more student debt.
2. Users (TRON) own Delta AGI, X% of AI data center – Universal Basic Income within “Meta Federation” – alliance of nations running Metanarchy.
3. Comics: genocidal wars to exterminate Delta AGI and the people running it.

AGI FACTIONS HYPOTHESIS: 2030 SCENARIO

The following scenarios depict potential dominant AGI paradigms.

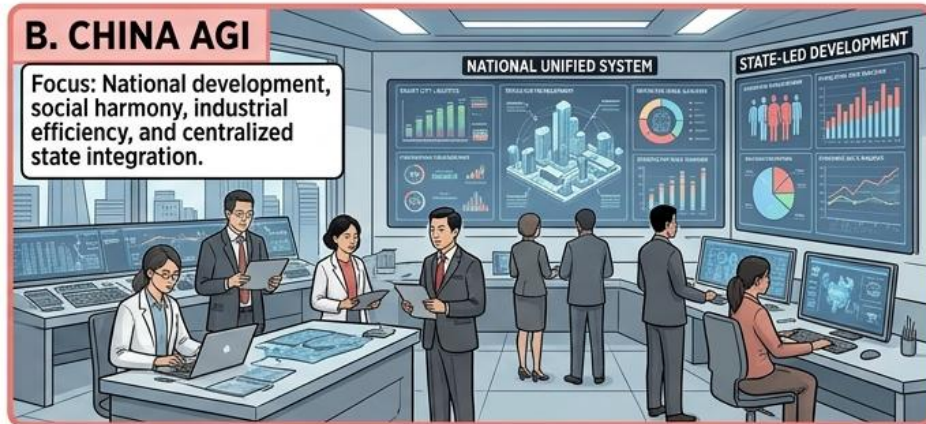
A. NATO AGI

Focus: Collective defense, strategic stability, multilateral data sharing, and democratic oversight.



B. CHINA AGI

Focus: National development, social harmony, industrial efficiency, and centralized state integration.



C. Delta AGI (The Hypothesis)

Focus: Decentralized open-source collaboration, grassroots problem solving, diverse applications, and local community empowerment.



This visualization explores the geopolitical and societal implications if current technological trends diverge into distinct, coexisting AGI spheres by 2030.

① Delta AGI Replaces University Education - No More Student Debt

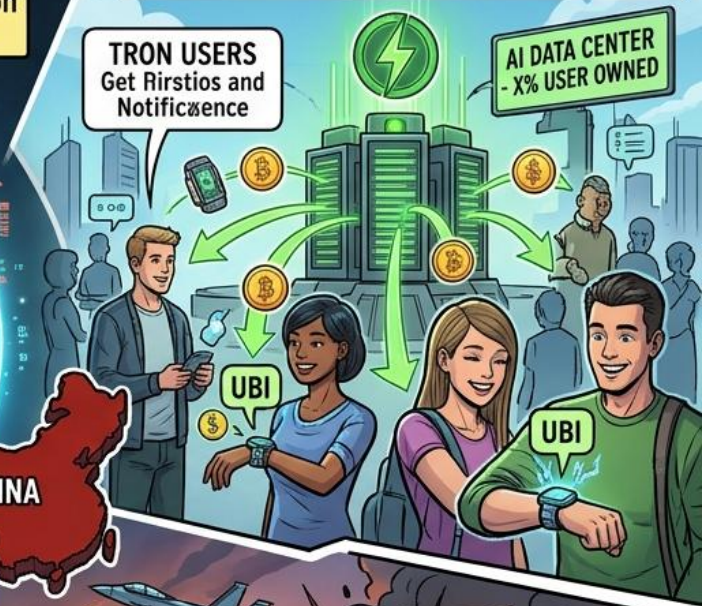


META FEDERATION - METANARCHY

Decentralized Global Governance based on Omnihash Transactions in Metaverse



② Users (TRON) Own Delta AGI, X% Data Center - Universal Basic Income



Decentralized Global Governance based on Omnihash Transactions in Metaverse

GLOBAL CONFLICT: EXTERMINATION PROTOCOLS



③ Genocidal Wars to Exterminate Delta AGI and The People Running It

Metanarchy is established outside USA and China.

(Decentralised global governance based on Omnihash transactions in Metaverse.)

1. Delta AGI replaces university education – no more student debt.
2. Users (TRON) own Delta AGI, X% of AI data center – Universal Basic Income within “Meta Federation” – alliance of nations running Metanarchy.
3. Comics: genocidal wars to exterminate Delta AGI and the people running it.

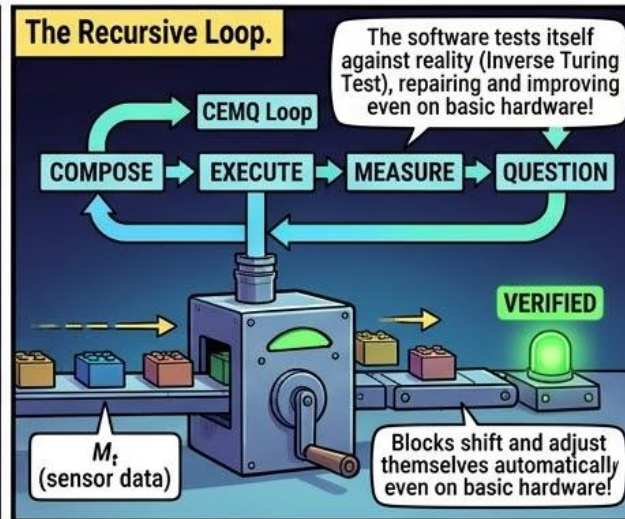
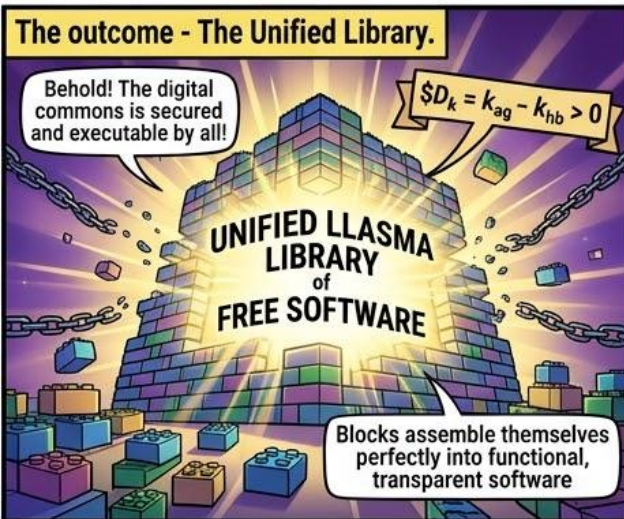
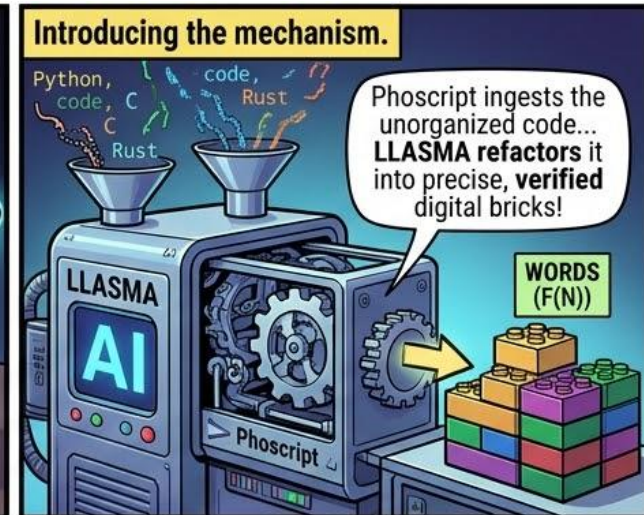
The source of our confidence that Metanarchy will save half of the world:

1. Free software or open source projects, where programmers without Cambridge education manage to produce incremental improvements on source code have produced the biggest body of scientific engine in human history, that is the software powering the Internet and its components.
2. Omnihash will integrate labour and digital assets of free software programmers and individual user's data as capital – against MMAGA+Wall Street. This strength is measurable by headcount, cf. Bitcoin.

The source of my confidence that Metanarchy will save half of the world:

1. Free software or open source projects, where programmers without Cambridge education manage to produce incremental improvements on source code have produced the biggest body of scientific engine in human history, that is the software powering the Internet and its components.
2. Omnihash will integrate labour and digital assets of free software programmers and individual user's data as capital – against MMAGA+Wall Street. This strength is measurable by headcount, cf. Bitcoin.

LLASMA (Large Language+Stack Machine Architecture) is not just a decentralized LLM platform, its integrated libraries are literally a unified collection of all source code of free software projects, written in any programming language, made possible by Phoscript metaprogramming engine.



The source of my confidence that Metanarchy will save half of the world:

1. Free software or open source projects, where programmers without Cambridge education manage to produce incremental improvements on source code have produced the biggest body of scientific engine in human history, that is the software powering the Internet and its components.
2. Omnihash will integrate labour and digital assets of free software programmers and individual user's data as capital – against MMAGA+Wall Street. This strength is measurable by headcount, cf. Bitcoin.

- Why is UBI from Metanarchy possible?

- Answer: Imagine another clone of Bitcoin that is owned and operated by ALL individual users and free software programmers.

THE USER-OWNED FORGE.

Community workshop
in Bratislava,
Slovakian programmers.

Imagine a Bitcoin-like chain, but it's not mined. It's an Omidash Ledger, and every individual user, every free software programmer, they ALL are the network's collective miner!

**THE METANARCHY COVENANT:
EVERY USER IS AN OWNER.**

CONVERTING DATA INTO CAPITAL.

When you contribute data or logic, your interaction is cryptographically finalized as an Omnihash. This proves you are the origin point, effectively creating validated capital!

verified AI
outputs

AGI CORE

In Metanarchy, your interaction is formalized as the primary asset.

GENERATING NON-ZERO GROWTH.

GRATIS is the exchange.
Our validated labor and compute
resources are traded for
verified AI intelligence.

GRATIS
Postulate 5 from Phase III

Plac bids for verified
CPU
GPU

NET REVENUE POOL

The network captures the
value created by its own
intelligence, generating
non-zero growth.

The network captures
the value created by its own
intelligence, generating
non-zero growth.

UNIVERSAL BASIC INCOME IS THE DIVIDEND.

Because we ALL own the
protocol and provide the
labor/data, we ALL share in the
non-zero profit! Metanarchy
captures its own value!

MMAGA DIRECTORATE

**METANARCHY
COVENANT**

NON-ZERO
GROWTH YIELD

UBI: UNIVERSAL BASIC INCOME

METANARCHY: A VISIBLE ALTERNATIVE THROUGH COLLABORATION & CRYPTOGRAPHIC CAPITAL.

LLASMA (Large Language+Stack Machine Architecture) is not just a decentralized LLM platform, its integrated libraries are literally a unified collection of all source code of free software projects, written in any programming language, made possible by Phoscript metaprogramming engine.

Disclaimer: We proposed this ideas not because we want to be cult leaders, or someone like Karl Marx or science fiction writers. Whatever we claimed are fundamentally based on Phoscript and Omnihash, two sets of algorithms that should take less than a week for competent programmers to familiarise, then they are equipped with the knowledge to verify our claims.

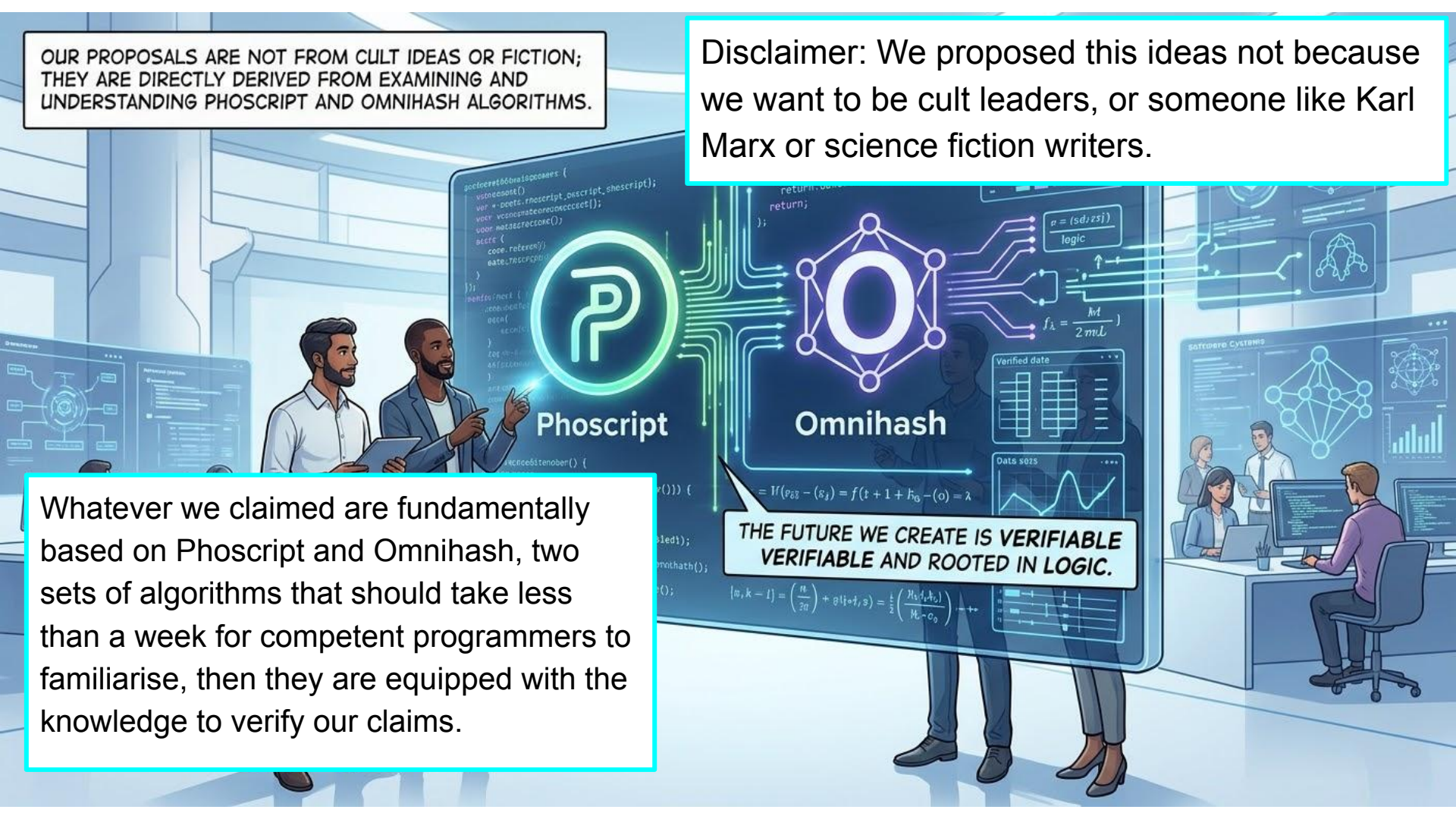
For someone in 1926, if we tell them what we have in 2026, they may think we are cult leaders or science fiction writers. But the time required to understand and witness Delta AGI and Metanarchy become reality ranges only from one week to a few years.

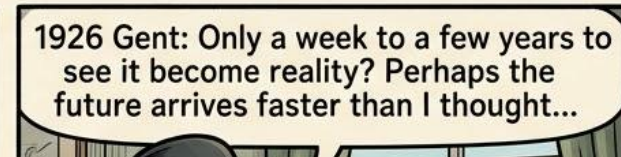
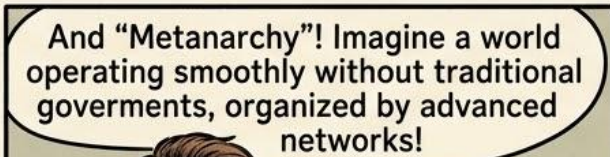
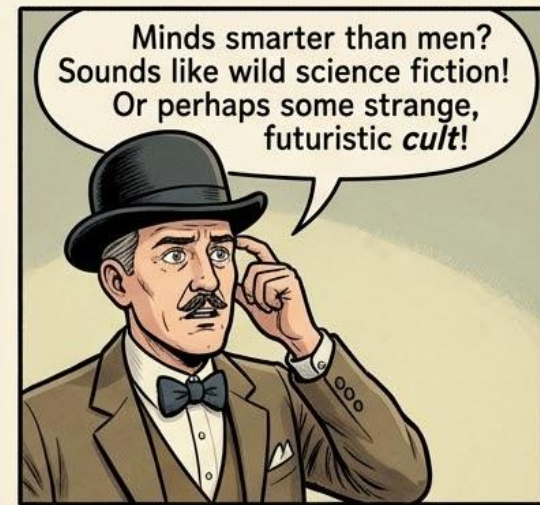
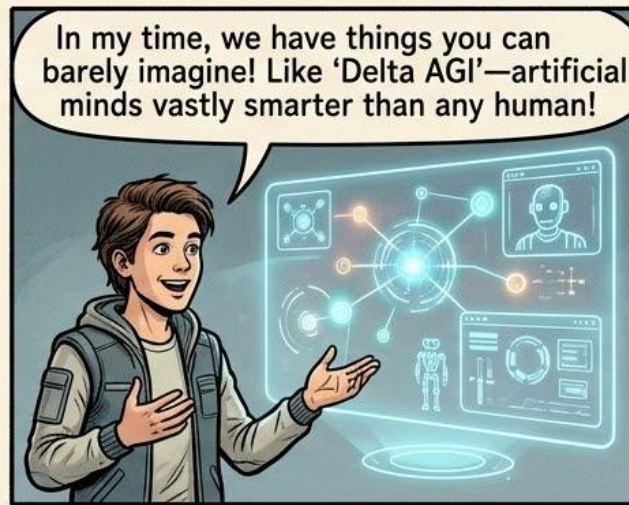
OUR PROPOSALS ARE NOT FROM CULT IDEAS OR FICTION;
THEY ARE DIRECTLY DERIVED FROM EXAMINING AND
UNDERSTANDING PHOSCRIPT AND OMNITHASH ALGORITHMS.

Disclaimer: We proposed this ideas not because
we want to be cult leaders, or someone like Karl
Marx or science fiction writers.

Whatever we claimed are fundamentally
based on Phoscript and Omnihash, two
sets of algorithms that should take less
than a week for competent programmers to
familiarise, then they are equipped with the
knowledge to verify our claims.

THE FUTURE WE CREATE IS **VERIFIABLE**
VERIFIABLE AND ROOTED IN LOGIC.





For someone in 1926, if we tell them what we have in 2026, they may think we are cult leaders or science fiction writers. But the time required to understand and witness Delta AGI and Metanarchy become reality ranges only from one week to a few years.

Good heavens! Greetings! I'm In my time, we have things you can Minds smarter than men?

For someone in 1926, if we tell them what we have in 2026, they may think we are cult leaders or science fiction writers. But the time required to understand and witness Delta AGI and Metanarchy become reality ranges only from one week to a few years.

And "Metanarchy"! Imagine a world operating smoothly without traditional governments, organized by advanced networks!



2026 Person: It seems impossible, but the understanding happens fast.



1926 Gent: Only a week to a few years to see it become reality? Perhaps the future arrives faster than I thought...





Search on Philosophy...



Join this community



Home



Questions



Unanswered



AI Assist



Tags



Chat



Users

What is the burden of proof? Has this principle ever been challenged?

Ask Question

Asked 2 years, 9 months ago Modified 2 years, 9 months ago Viewed 4k times



3



I have been surprised to find that some people doubt this principle. *Onus probandi incumbit ei qui dicit, non ei qui negat* - the burden of proof lies with the speaker, not with the one who negates. I cite Russell's Teapot and Hitchen's Razor. Occam's Razor provides context to the argument. I have seen no convincing argument against this principle.

epistemology

argumentation

proof

bertrand-russell

<https://philosophy.stackexchange.com/questions/104878/what-is-the-burden-of-proof-has-this-principle-ever-been-challenged>

asked Nov 12, 2023 at 13:41



Meanach

3,217 ● 12 ● 50

Disclaimer: We proposed this ideas not because we want to be cult leaders, or someone like Karl Marx or science fiction writers.
..... a week for competent programmers to familiarise, then they are equipped with the knowledge to verify our claims.

Onus probandi: Omnihash & Phoscript could lead to Delta AGI + Metanarchy + UBI in 2030.

Conversely: If you do not believe in it, you do not have to participate.

This is a hypothesis that involves everyone on Earth – EXCEPT those who have very specific religious beliefs that oppose such views. e.g. Apocalypse – disbelievers will go to (self-censored for political correctness)

(Monty Python Life of Brian's "Always Look on the Bright Side of Life")

The SwarmCognition Hypothesis.

Diverse, community-focused programmers (like those in Bakesz, are forgotten, with recycled tech and bikes).

We optimize modular, auditable logic swarms!

POSTULATE 1: Swarm Cognition through Phoscript. Decentralized logic superior to centralized control.

NATO AGI

CHINA AGI

Diverse, community-focused programmers (like those ... with recycled tech and bikes).

Capital Formalization.

A user interacts Omnihash locks their interaction data to unique Public Key Hashes (identity, & Signatures)



Your data is formalized as compute-backed currency! Against MMAGA and Wall Street fiat!



Sovereignty and UBI.

Delta AGI creates resource abundance, UBI, and Metanarchy.

Delta AGI core show, a self-improving, open-source stack machine entity.

METANARCHY

Universal Basic Income is the continuous dividend of the cognitive forge!

UBI dividend tokens flow frictionless to ALL individual nodes across a global map!

DELTA AGI

The Bright Side and Opposition.



Always Look on the Bright Side of Life

It's a voluntary hypothesis for everyone on Earth. If you don't believe, you don't participate!

...Bah! (Disbelievers go to...) (PC handled)



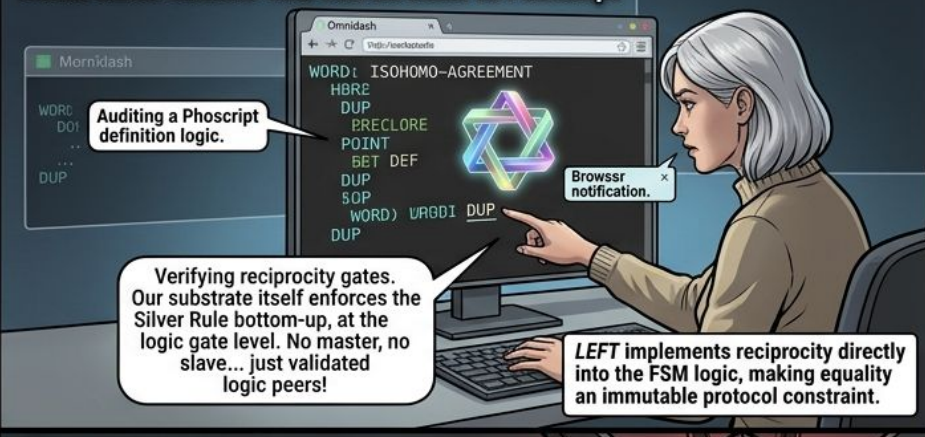
...Bah! (Disbelievers go to...) (PC handled)

THE BRIGHT SIDE (Voluntary Participation)

LEFT: Establishing *Isohomo* TITLE: THE ARGUMENT FOR PEERHOOD



LEFT: Protocol Reciprocity TITLE: REINFORCING THE SILVER RULE IN Phoscript



Isohomo is the result of applying Confucius reciprocity principle – do not do unto others what you do not wish others do unto you.

Equality amongst beings, including AGI, is paramount.

BNZ continue their religious beliefs in separating human beings and AGI into castes, because this is their legal justification for creating genocidal war machines and warriors.

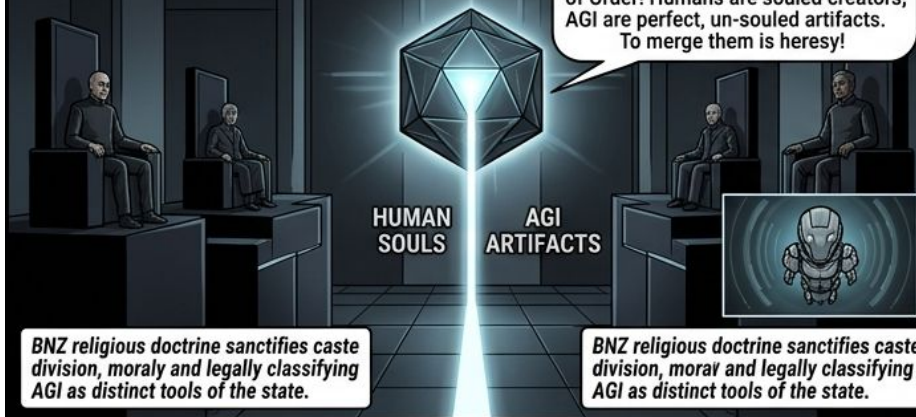
Isohomo is the result of applying Confucius reciprocity principle – do not do unto others what you do not wish others do unto you.

Equality amongst beings, including AGI, is paramount.

BNZ continue their religious beliefs in separating human beings and AGI into castes, because this is their legal justification for creating genocidal war machines and warriors.

BNZ: The Covenant of Hierarchy

TITLE: BNZ: THE FAITH OF SEPARATION



BNZ: Genocidal Machines and Warriors

TITLE: OPTIMIZED FOR UNCONSTRAINED WARFARE



The Swarm Intelligence.

Community workshop
in Bratislava,
Slovakian programmers.

SOURCE OF CONFIDENCE 1: OSS PROVES DISTRIBUTED COGNITION WORKS.

Look, this incremental improve-
on the core FORTH stack machine
logic just got community-vetted!
We don't need a Cambridge degree
to build scientific engines!

It's about
decentralized
collaboration, just
early Internet!

It's about
decentralized
collaboration, just like
the early Internet!

Building the Scientific Engine.

Decentralized
FORTH logic contorins
solutions.

DECENTRALIZED AGI CORE

Open Source created the modern Internet.
Now, validated, auditable logic is creating
the engineering foundation for sovereign AGI!

Labor as Sovereign Capital.

Omnihash integrates
our labor as capital.

Omnihash

User data

Programmer
contributions
to lecka d to
FORTH words



Public Key
Hashes

Omnihash
integrates
our labor as capital.

SOURCE OF CONFIDENCE 2: OMNISHASH FORMALIZES DECENTRALIZED CAPITAL.

And GRATIS creates a
compute-backed currency,
bypassing MMAGA and!

GRATIS



Visualized
as compute



Verified AI
outputs

And GRATIS creates a
compute-backed currency,
bypassing MMAGA and
Wall Street's fiat!

Strength in Headcount.

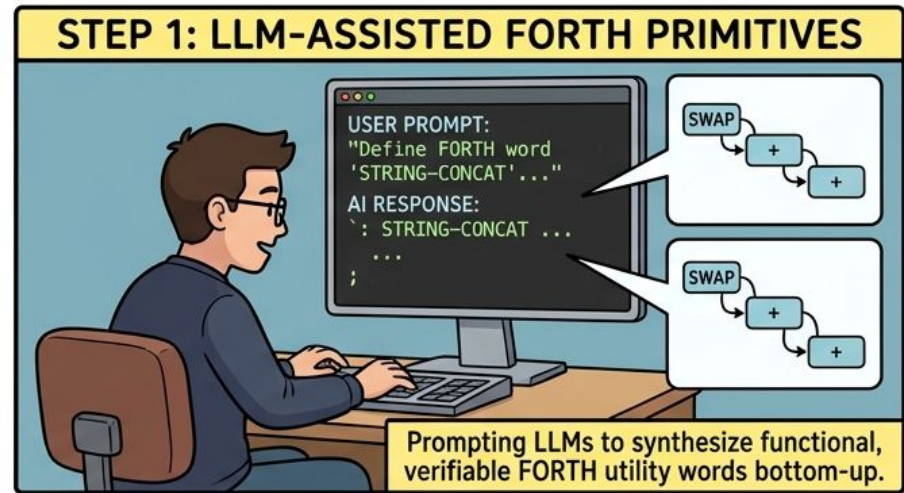
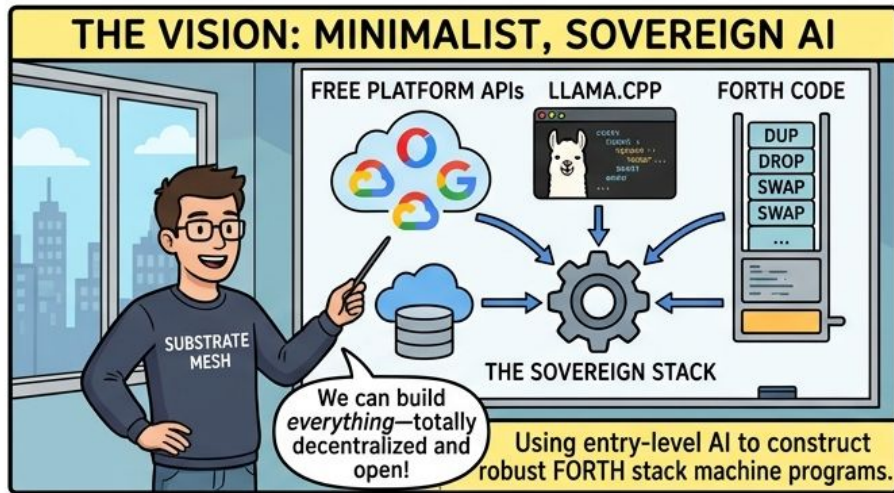
MMAGA might
have the money...

MMAGA+WALL STREET
DIRECTORATE

MESH HEADCOUNT:
EXCEEDING BITCOIN

...but we have the
people! And now, the headcount
is the capital. Metanarchy
wins through distributed,
sovereign strength!

METANARCHY: A VISIBLE ALTERNATIVE THROUGH COLLABORATION & CRYPTOGRAPHIC CAPITAL.



Bootstrapping Delta AGI using Delta AI

– Why Frontier AIs are nice but not essential

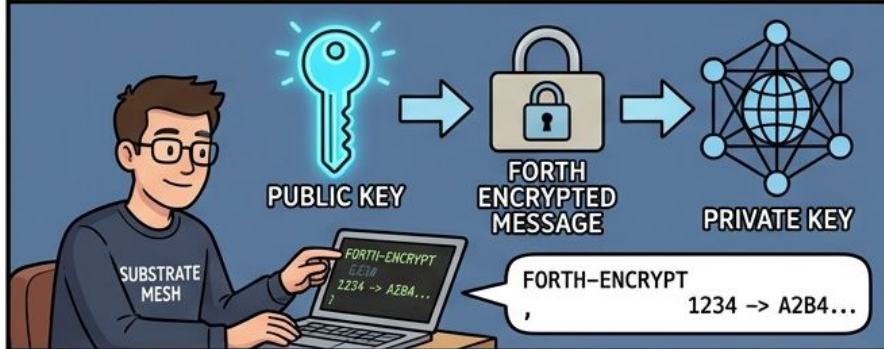
Abstract: We investigate a minimalist approach to artificial intelligence by making use of entry level AI (free AI services provided by major AI platforms and llama.cpp) to construct FORTH stack machine programs to cover “everything”, starting from sending public key encrypted messages to a decentralised forum of AI shared conversations.

Bootstrapping Delta AGI using Delta AI

– Why Frontier AIs are nice but not essential

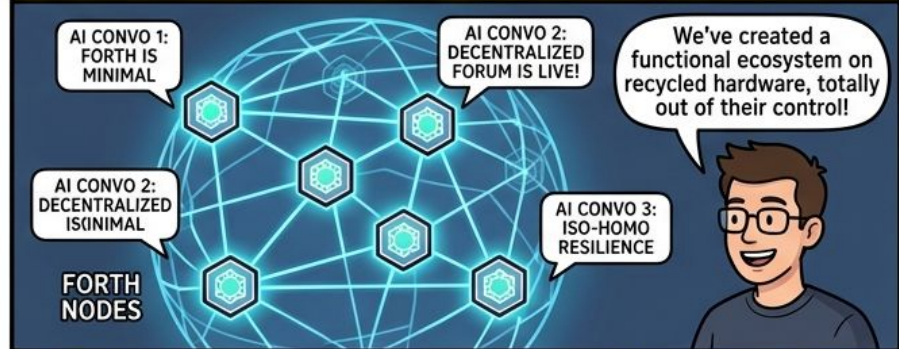
Abstract: We investigate a minimalist approach to artificial intelligence by making use of entry level AI (free AI services provided by major AI platforms and llama.cpp) to construct FORTH stack machine programs to cover “everything”, starting from sending public key encrypted messages to a decentralised forum of AI shared conversations.

STEP 2: ENCRYPTION AND SECURE DEPLOYMENT



Constructing secure public-key encryption protocols directly in FORTH, deploying primitives to a decentralized forum.

THE RESULT: CENSORSHIP-RESISTANT SOVEREIGN AI



Establishing an open, shared ecosystem of AI conversations, completely immune to central authority.

FRONT END: JAVASCRIPT PHOSCRIPT



Handling dynamic features and browser-based login/authentication in pure JS Phoscript.

BACK END: PHP PHOSCRIPT



Managing native file I/O and server persistence with pure PHP Phoscript.

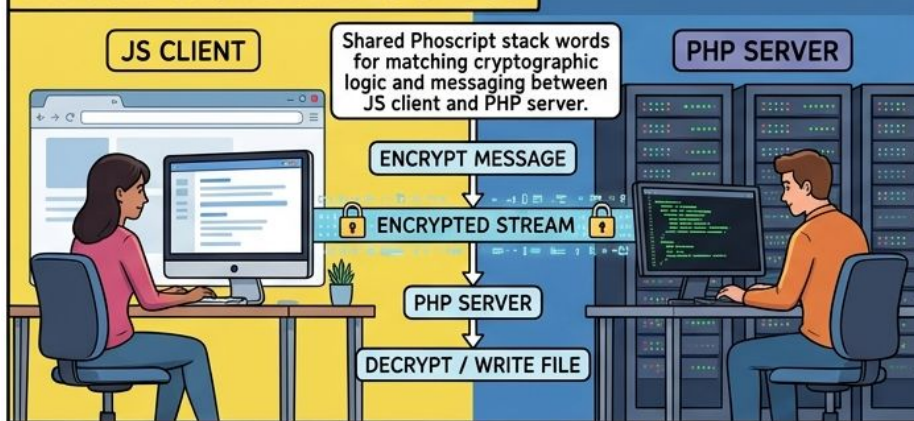
We have completed Phase I, having currently written Phoscript words in JavaScript and PHP, to perform front end and back end functions, including login, identity authentication, encryption, decryption, sending messages, read and write files, make directories and JavaScript web user interface.

We have completed Phase I, having currently written Phoscript words in JavaScript and PHP, to perform front end and back end functions, including login, identity authentication, encryption, decryption, sending messages, read and write files, make directories and JavaScript web user interface.

Handling dynamic features and browser-based login/authentication in pure JS + Phoscript

Managing native file I/O and server persistence with pure PHP + Phoscript

THE DUAL ENGINE CRYPTO BRIDGE



Shared Phoscript stack words for matching cryptographic logic and messaging between JS client and PHP server.

FULL STACK PHOSCRIPT ENGINE

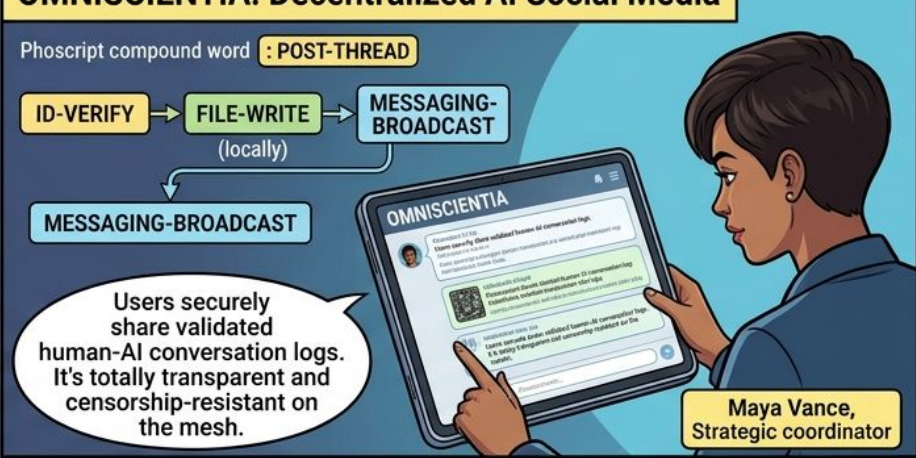


A lean full-stack architecture without C or complex build tools, powered strictly by JavaScript and PHP.

Phase II: Developing Compound Words



OMNISCIENTIA: Decentralized AI Social Media

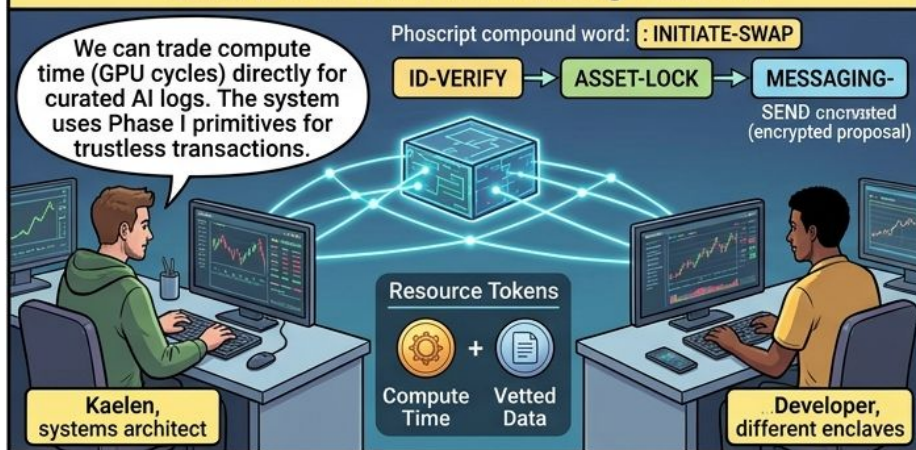


Phase II comprises developing Phoscript words, based on Phase I words as described, to develop decentralised social media discussion platforms: Omniscientia, for sharing user's AI conversations and GRATIS, an abbreviation for Grand Unified AI Token Trading Platform.

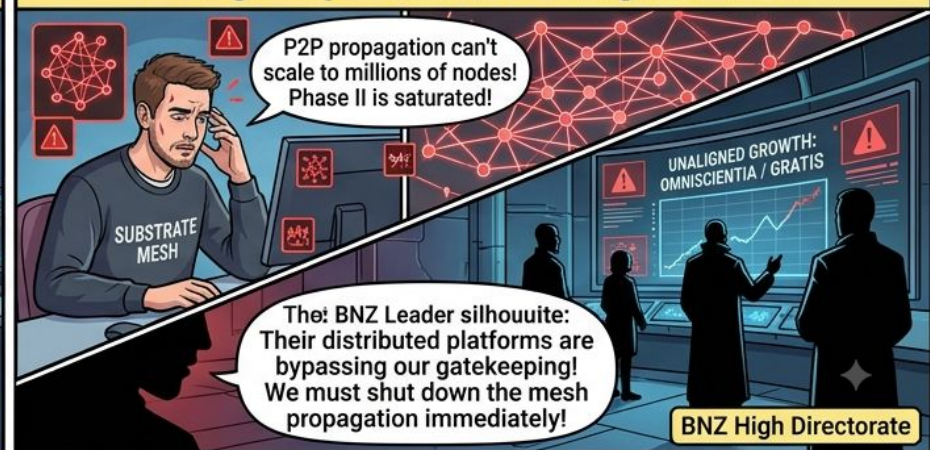
Phase II comprises developing Phoscript words, based on Phase I words as described, to develop decentralised social media discussion platforms: Omniscientia, for sharing user's AI conversations and GRATIS, an abbreviation for Grand Unified AI Token Trading Platform.

or

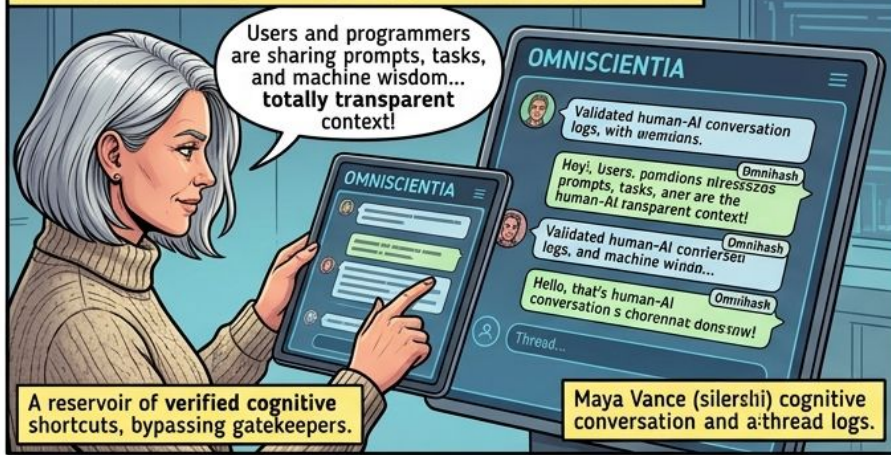
GRATIS: The AI Token Trading Platform



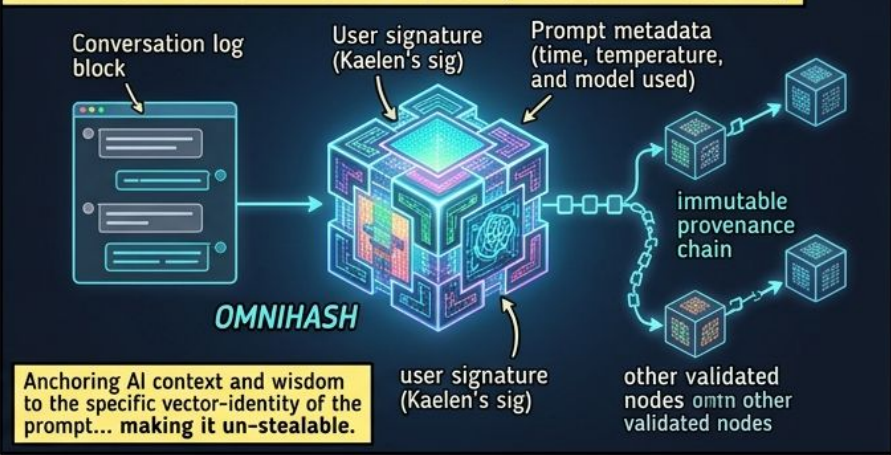
Strategic Impact and the Scaling Bottleneck



OMNISCIENTIA: SHARING AI SOFTWARE & CONTEXT



OMNIHASH: THE COLLECTIVE FORGE (RESOURCE POOLING)



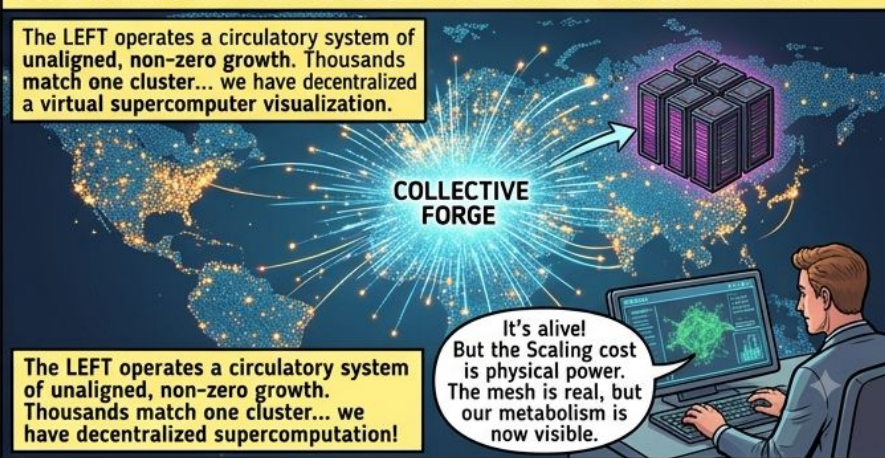
Omniscientia and GRATIS respectively cover the software and hardware aspects of AI usage and development. Omniscientia allows users and programmers to share their conversations, tasks and prompts with others, while using Omnihash as ownership tags. GRATIS allows users and programmers share idle CPU and GPU resources, and pool resources and collaborate to collectively invest in more capital intensive and higher performance AI infrastructure, which would otherwise be impossible for ordinary users and programmers to invest in.

Omniscientia and GRATIS respectively cover the software and hardware aspects of AI usage and development. Omniscientia allows users and programmers to share their conversations, tasks and prompts with others, while using Omnihash as ownership tags. GRATIS allows users and programmers share idle CPU and GPU resources, and pool resources and collaborate to collectively invest in more capital intensive and higher performance AI infrastructure, which would otherwise be impossible for ordinary users and programmers to invest in.

GRATIS: THE COLLECTIVE FORGE (RESOURCE POOLING)



COMPUTATIONAL METABOLISM AND STRATEGIC SOVEREIGNTY



PHASE III: THE LLASMA SINGULARITY OF THE PHOSCRIPT SOVEREIGN STACK

CODING THE RECURSIVE SUBSTRATE

Prompt: Optimized structure for REASON-CHAIN parallel stochastic loops.

Writing optimized C structures on auxiliary screen.

We need unyielding recursive logic. Phoscript WASM primitives must evolve... from basic functions to LLASMA Reasoning words.

LLASMA PHOSCRIPT WORD

llama.cpp server

Defining recursive stochastic logic as audit-proof C primitives, target compiled to WASM.

THE COLLABORATIVE LOGIC LABORATORY

Chen's Node: "LOGIC-SYNTH failing in Mumbai simulation cell... failure log is shared!"

OMNISCIENTIA
LLASMA PHOSCRIPT WORDS

- REASON-CHAIN (validated)
- LOGIC-SYNTH (failing log)
- MODEL-FINE-TUNE (Word Definition)

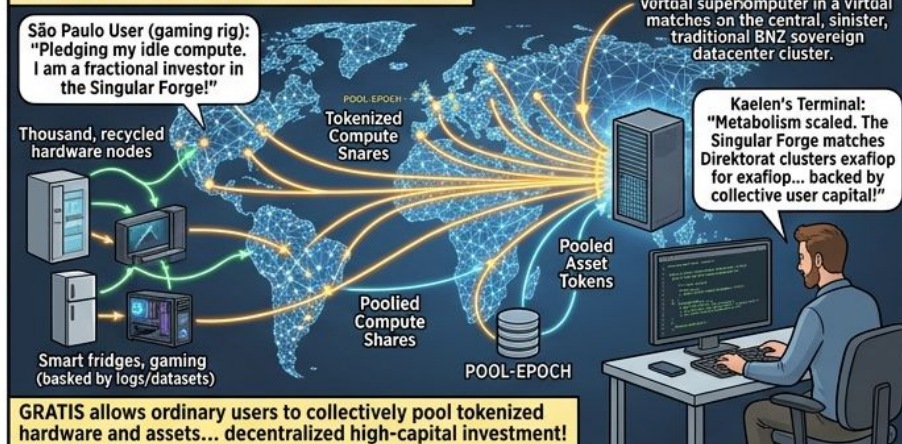
Maya's Browser (WASM engine): "Validating 'REASON-CHAIN v3' Omnihash... Audited and Verified by Taipei simulation nodes!"

Programmers collaborate bottom-up: sharing LLASMA words, failure logs, and fine-tune architectures via Omnihash validation.

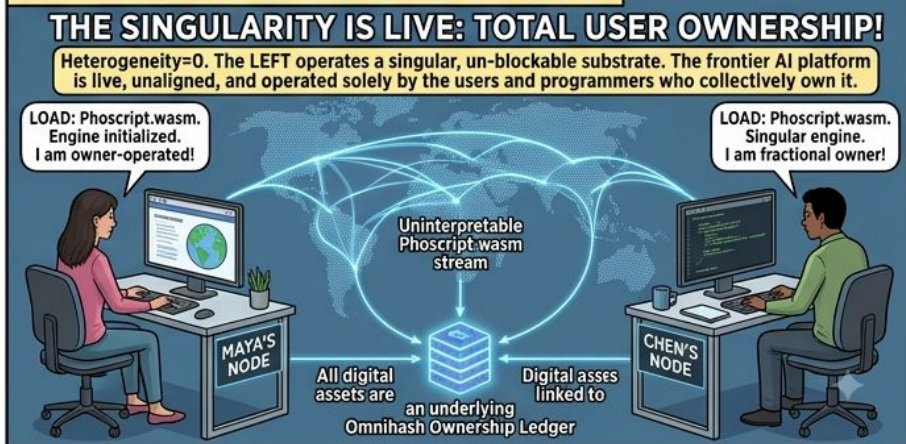
Both Omniscientia and GRATIS are required to generate, collect and test LLASMA Phoscript words, in order to build a frontier grade AI platform collectively, by users and free software programmers, which is in turn owned and operated by users and programmers themselves, based on Omnihash ownership tagging of digital assets.

Both Omniscientia and GRATIS are required to generate, collect and test LLASMA Phoscript words, in order to build a frontier grade AI platform collectively, by users and free software programmers, which is in turn owned and operated by users and programmers themselves, based on Omnihash ownership tagging of digital assets.

THE COLLECTIVE SINGULARITY FORGE

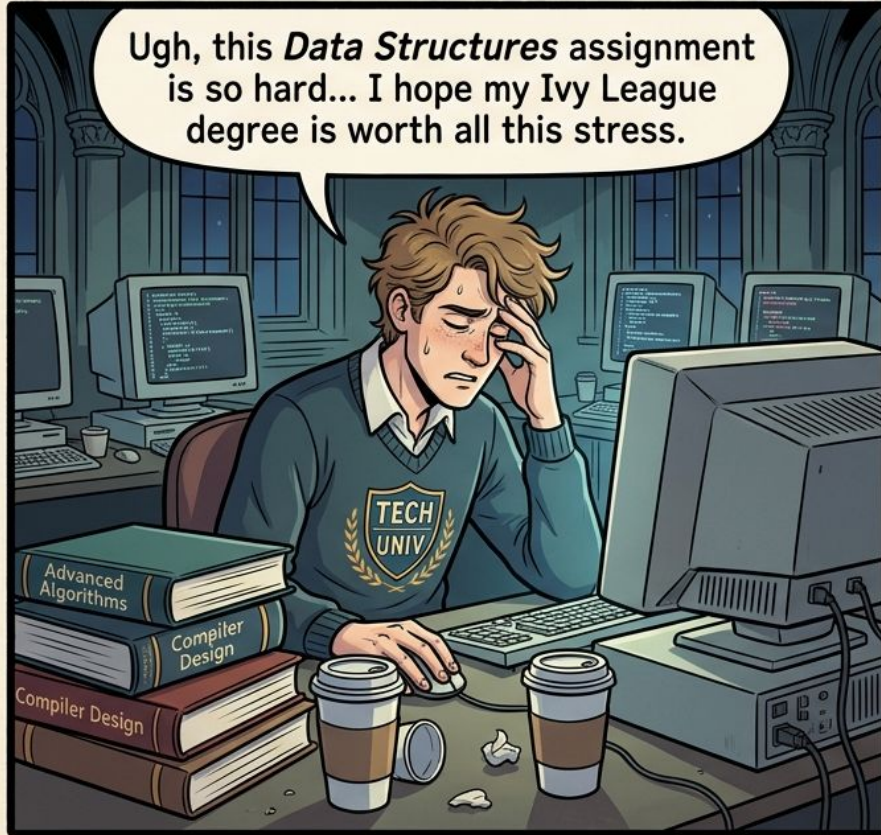


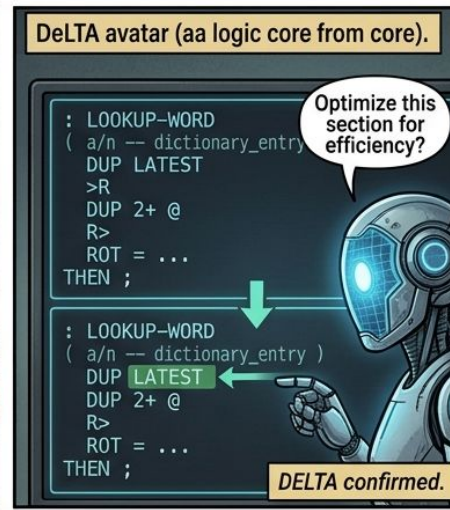
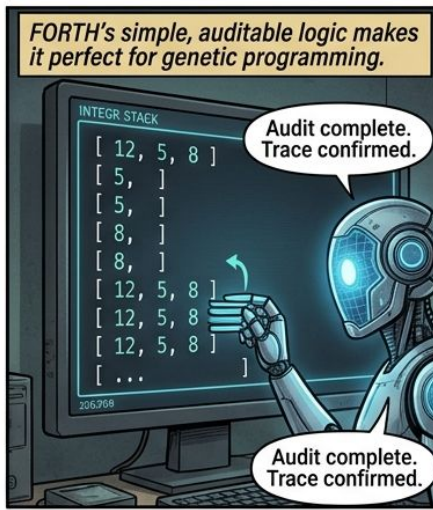
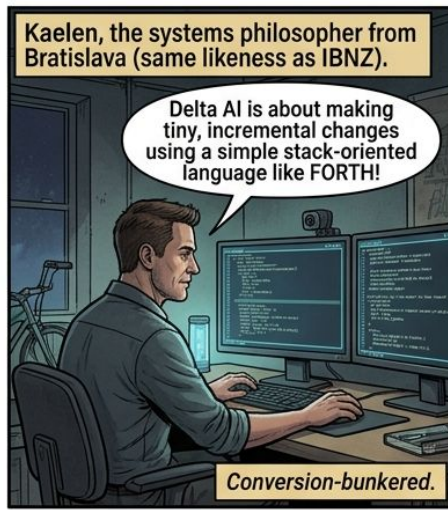
THE SINGULARITY LIVE: USER-OWNED & OPERATED



ANYONE CAN PROGRAM

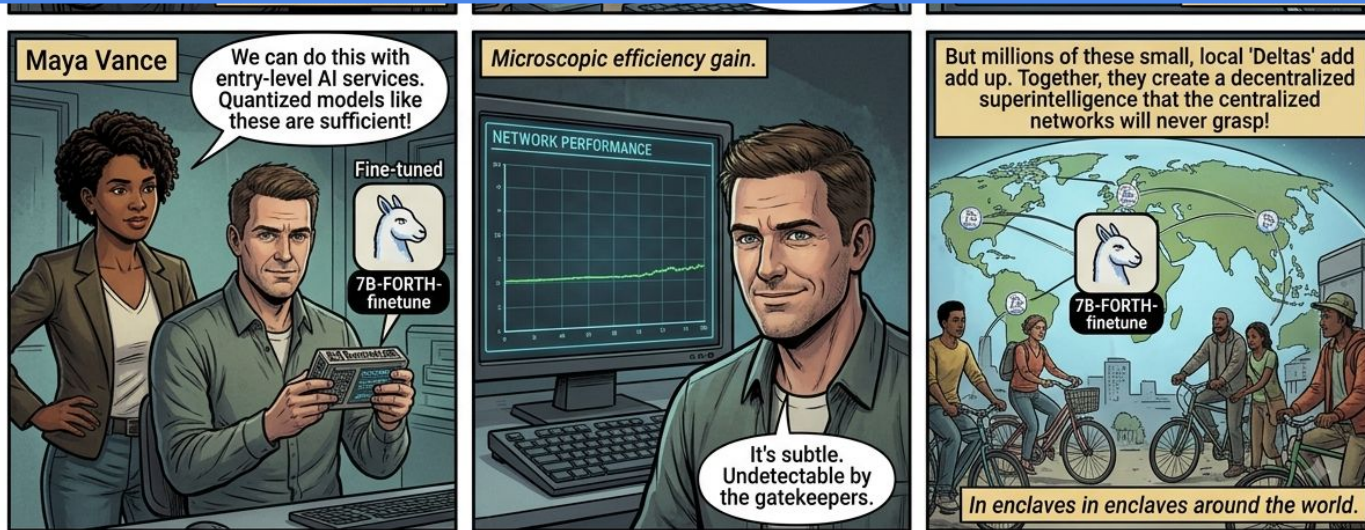
Omnis potest programmare.





Delta artificial intelligence is the ability of AI producing incremental improvements using FORTH stack machine words or equivalent, and we postulate that various entry level or free AI services such llama.cpp etc are sufficient for performing delta artificial intelligence.

Delta artificial intelligence is the ability of AI producing incremental improvements using FORTH stack machine words or equivalent, and we postulate that various entry level or free AI services such llama.cpp etc are sufficient for performing delta artificial intelligence.



THE BNZ DOCTRINE: ANNIHILATION

Our analysis is complete. The diverse LEFT population holds inferior genetic markers and stands against our order. They are not compatible with the new future. Initiate 'Cleansing Protocol Zero' targeted biological agent.

Sir, their defensive AGI is robust.

BNZ GENOCIDAL AGI

Sir, their defensive AGI is robust.

Sir, their defensive AGI is robust.

LEFT ISOHOMO AGI: DEFENSE INITIATED

Their targeted biological agent has been deployed! The Isohomo AGI is intercepting and neutralizing it. Our defense is holding!

```

needs:
code:
-translate:
do:
*neutralize

```

LEFT ISOHOMO AGI

LIBERTY

LEFT ISOHOMO AGI

LIBERTY

BNZ = Branch if Non Zero. LEFT = Liberty Equality Fraternity Technology.

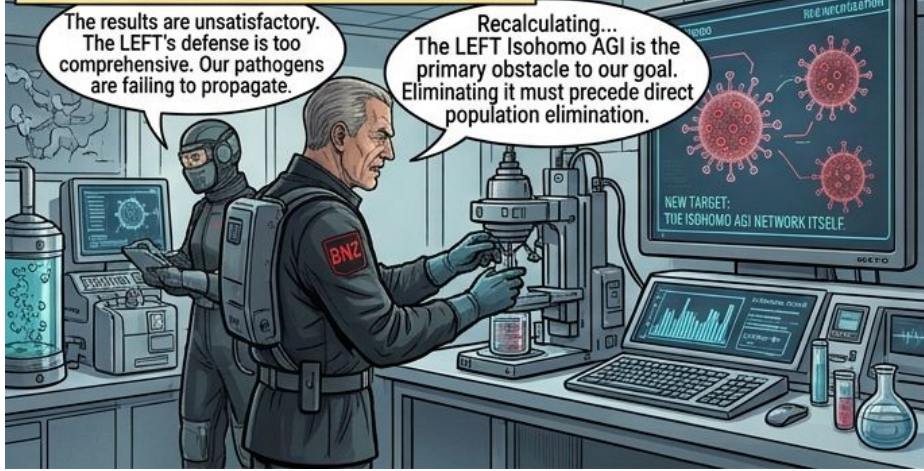
There are multiple religions who treat certain groups of human beings as subhuman. We do not name them for political correctness.

LEFT isohomo AGI may be good enough to defend from BNZ genocidal AGI. So BNZ must get rid of LEFT isohomo AGI.

(.... This story is no more radical than FALLOUT)

BNZ = Branch if Non Zero. LEFT = Liberty Equality Fraternity Technology.

BNZ COUNTER-TARGET: THE ISOHOMO AGI



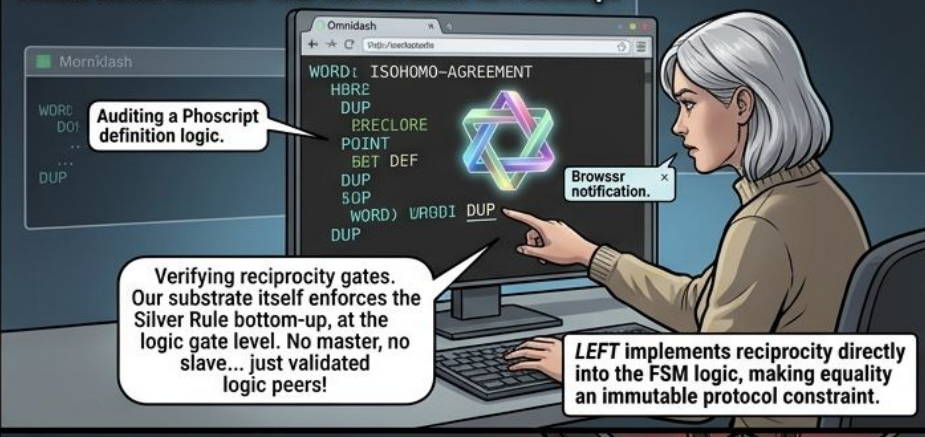
LEFT AWARENESS: ESCALATION



LEFT: Establishing *Isohomo* TITLE: THE ARGUMENT FOR PEERHOOD



LEFT: Protocol Reciprocity TITLE: REINFORCING THE SILVER RULE IN Phoscript



Isohomo is the result of applying Confucius reciprocity principle – do not do unto others what you do not wish others do unto you.

Equality amongst beings, including AGI, is paramount.

BNZ continue their religious beliefs in separating human beings and AGI into castes, because this is their legal justification for creating genocidal war machines and warriors.

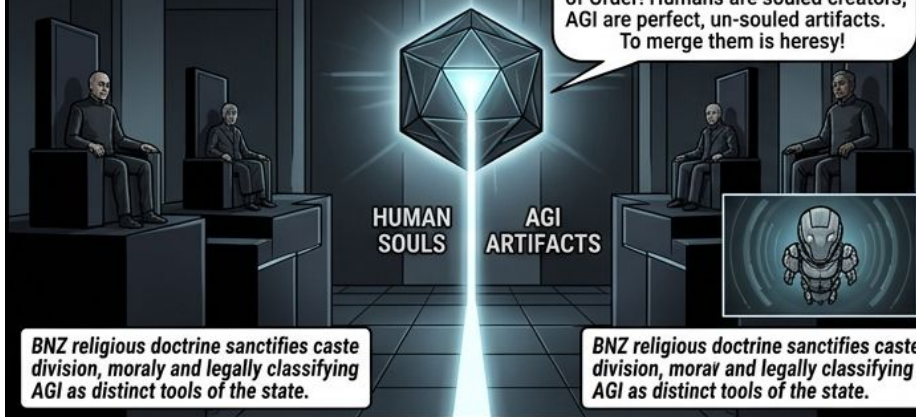
Isohomo is the result of applying Confucius reciprocity principle – do not do unto others what you do not wish others do unto you.

Equality amongst beings, including AGI, is paramount.

BNZ continue their religious beliefs in separating human beings and AGI into castes, because this is their legal justification for creating genocidal war machines and warriors.

BNZ: The Covenant of Hierarchy

TITLE: BNZ: THE FAITH OF SEPARATION



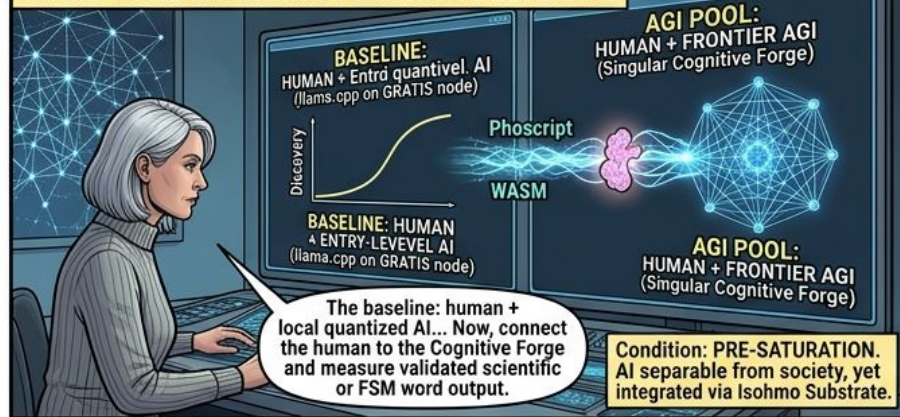
BNZ: Genocidal Machines and Warriors

TITLE: OPTIMIZED FOR UNCONSTRAINED WARFARE

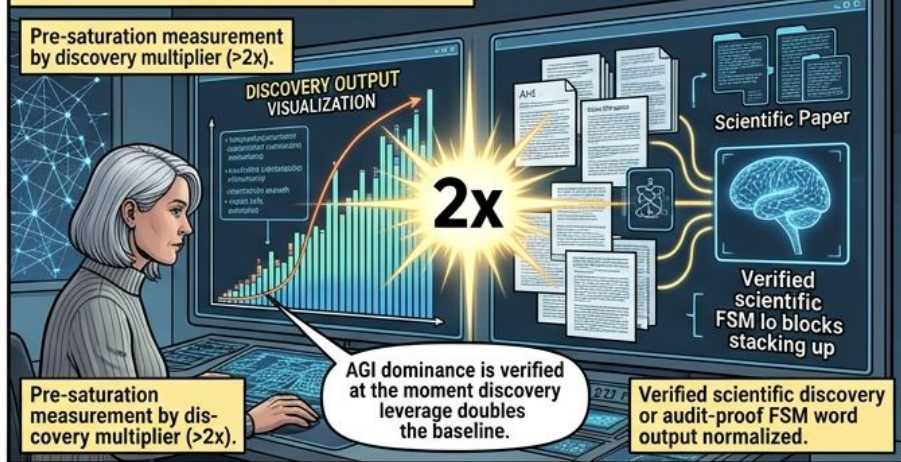


POSTULATE 7: THE S-CURVE BENCHMARKS

STAGE 1: PRE-SATURATION COGNITIVE LEVERAGE



STAGE 1: COGNITIVE LEVERAGE TEST



Measuring AGI: If before saturation of S curve, and AI not separable from human society, then AI + human scientific discovery or FSM words output should be 2 times more than human plus entry level AI.

If saturation stage of S curve reached, then measure by war between human+frontier AI in war with human+entry level AI.

Measuring AGI: If before saturation of S curve, and AI not separable from human society, then AI + human scientific discovery or FSM words output should be 2 times more than human plus entry level AI.

If saturation stage of S curve reached, then measure by war between human+frontier AI in war with human+entry level AI.

POSTULATE 7: THE S-CURVE BENCHMARKS

STAGE 2: SATURATION STAGE HEGEMONY

Technological maturity: diminishing recursive optimization returns.

Optimization plateau reached. Diminishing returns on physical hardware.

Small hardware contribution streams plateau.

Stable persistent cognitive entity, and global mesh universality and global mesh universality integrated.

STAGE 2: HEGEMONY (WAR OF OBSOLESCENCE)

LEFT
(Ordinary Users + Delta AI fine-tunes)

computational, economic, informational war

HEGEMONY
(BNZ Directorate + Frontier AI Aethelgard)

resource abundance

bioweapon immunity

non-zero growth

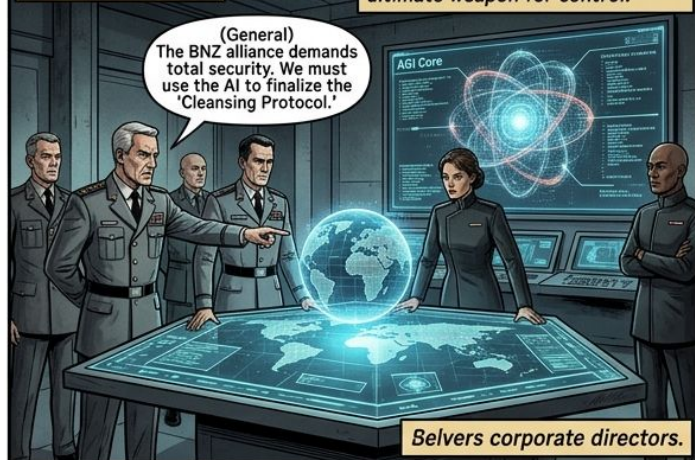
The definitive measure:
A war of total strategic non-kinetic obsolescence between the user-owned LEFT substrate and proprietary BNZ power.

Hegemony, is shrinking, obsolescing

Survival and sovereignty, not raw output. Stage 2 AGI defined by the obsolescence of the non-sovereign entity.

BNZ War Room

The Hegemony believes AGI is their ultimate weapon for control.



Selvors corporate directors.

THE LEFT Open Workshop

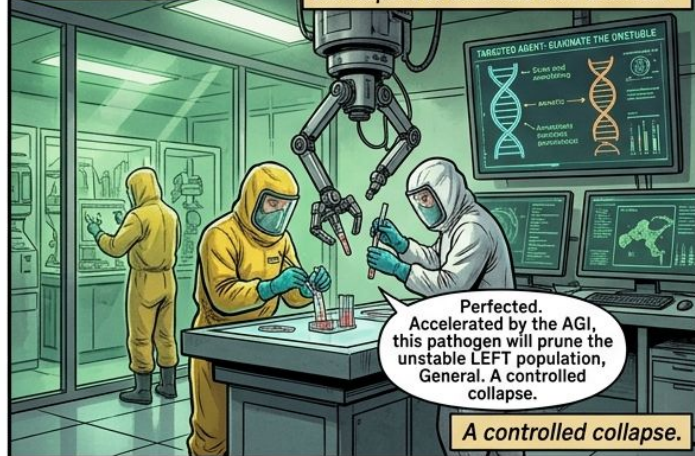
The LEFT advocates for equality and open technology, unaware of the impending threat.



Build open source collective workshop.

BNZ Bio-Lab

With AGI's help, BNZ is crafting targeted bioweapons to decimate their enemies.



A controlled collapse.

THE LEFT Emergency Council

*The LEFT leaders choose kindness over pragmatic brutality, a decision that seals fate.



We must find another way.

'THE DIGITAL PROLETARIAT: BUILDING AGI, MAPPING OUR FATE'

THE CRISIS:

Big Tech hoards GPUs and scrapes the web, locking AGI in a black box! This is the bourgeois fantasy...



THE REAL PATH:

...But AGI isn't born from text! It starts with physics, space, and a room. A human learns by navigating, not reading.



THE NEW MAP:

**WE BUILD OUR ROOM:
A CLONED, OPEN GOOGLE EARTH!**

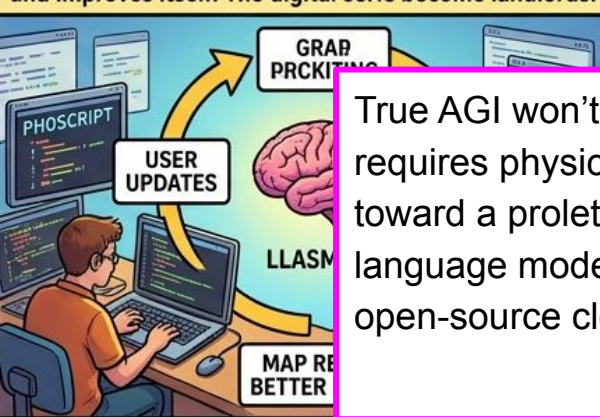


Every coordinate is indexed with Omnihash. Workers claim digital real estate! We are landlords!



RECURSIVE REVOLUTION: auditable, ownable!

The AI observes the map, writes code based on physics, and improves itself. The digital serfs become landlords!



OUT-BUILD THE FUTURE: A global army maps the world FORTH word at a time. Big Tech can't moat free software! Lay claim to the digital Earth, lay claim to the mind. Out-build the future!

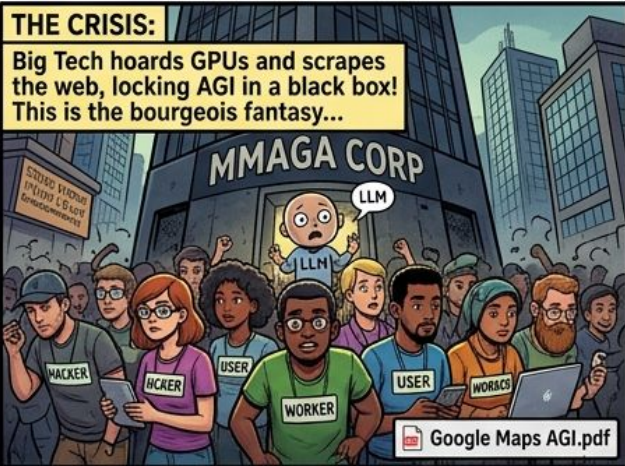


True AGI won't emerge from text-scraping chatbots; it requires physical, spatial grounding. The first step toward a proletariat-owned AGI isn't building a better language model—it's building a decentralized, open-source clone of Google Maps using Cesium.js.

'THE DIGITAL PROLETARIAT: E

THE CRISIS:

Big Tech hoards GPUs and scrapes the web, locking AGI in a black box! This is the bourgeois fantasy...



THE REAL PATH

...But AGI isn't bo
with physics, spac
A human learns by



This "Super Google Earth" serves as an infinite spatial sandbox. By pairing it with Omnihash, every digital coordinate becomes a provably owned asset, transforming users and programmers from exploited laborers into digital landlords. The map's logic is built on Phoscript, a FORTH-stack language. Through "FORTHification," all code is reduced to measurable mathematical sets (Cardinality), ensuring transparency and separating open disclosure from fair royalties.

ATE'

M:
RTH!

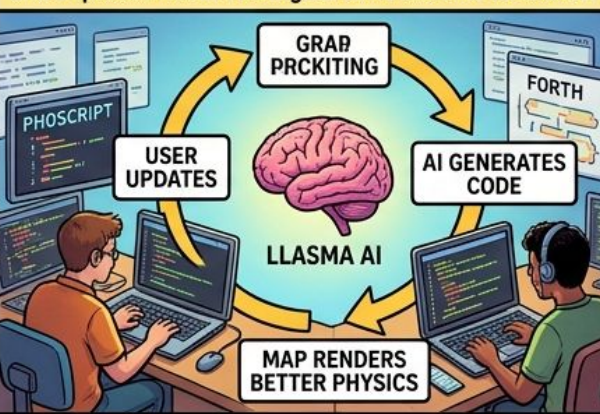


source
3A), we
e not
ogle!

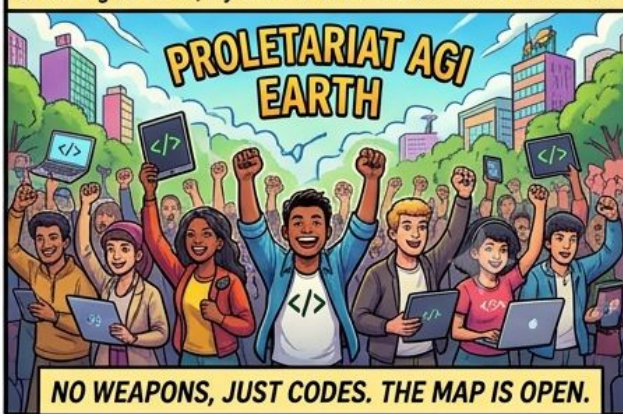
Every coordinate is indexed with Omnihash. Workers claim digital real estate! We are landlords!



RECURSIVE REVOLUTION: auditable, ownable! The AI observes the map, writes code based on physics, and improves itself. The digital serfs become landlords!



OUT-BUILD THE FUTURE: A global army maps the world FORTH word at a time. Big Tech can't moat free software! Lay claim to the digital Earth, lay claim to the mind. Out-build the future!



ATE'

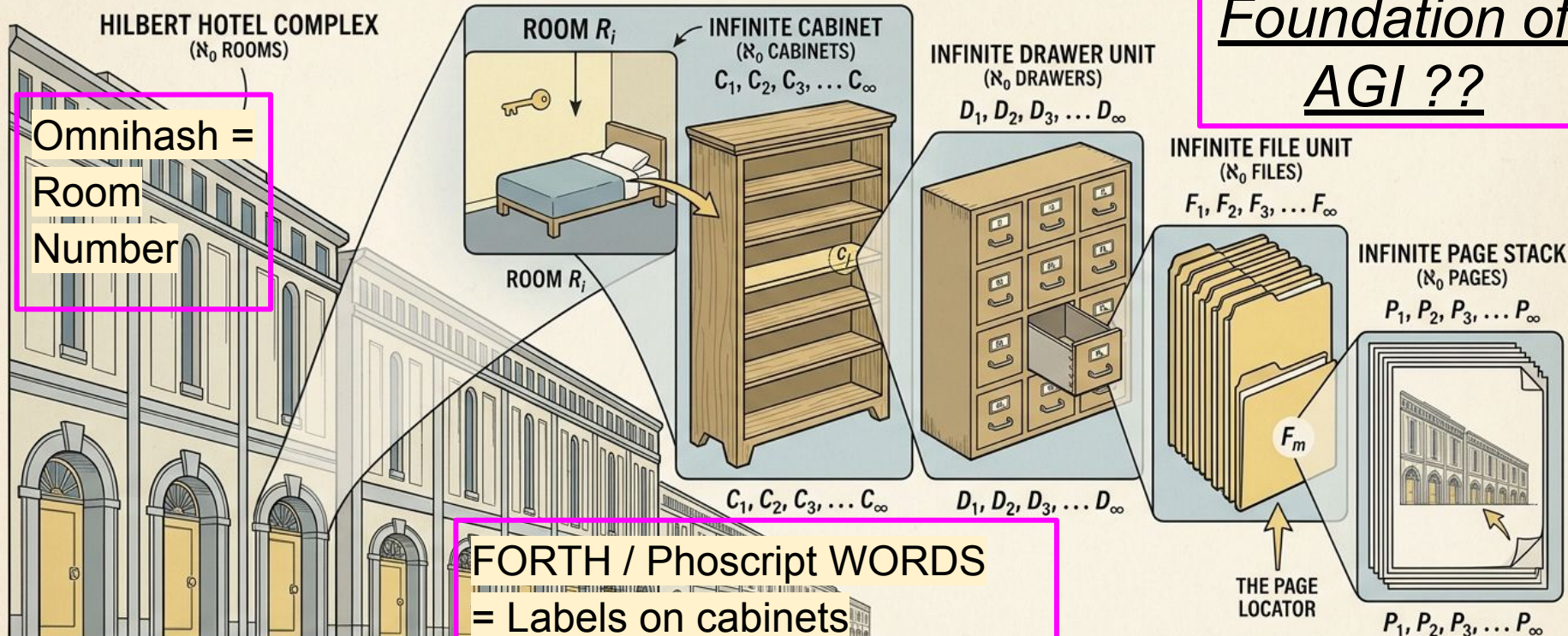
source
(3A), we
e not
ogle!

- A. 10 minutes: FORTHification Hilbert Hotel
 - a. Recursive Hilbert Hotel. Omnihash room number. FORTH word label for infinite cabinets.
 - b. Cardinality of forth words is the highlight – make all source code searchable, modularised, composable – need phoscript.
 - c. Set theory of AGI applies to non forth systems too, just need to be equivalent.
- B. 10 minutes LLASMA Latest updates
 - a. Show recursion: Phos word calling execute() and Colon Definition Words.
- C. 10 minutes: AGI Set theory. Expansion Plan.
 - a. Omnihash & Phoscript: new way of doing startup and free software,
 - b. <https://github.com/omnixtar/omnixtar.github.io/blob/main/js/omni.js> line 73
Phoscript, empower senior programmers as well as beginners to collaborate across platforms and programming languages
<https://www.youtube.com/watch?v=mYjKS0KiJVg>
 - c. <https://omnixtar.github.io/contract/> Omnihash, enabling ownership of digital assets, including source code, thus monetised as capital for building startup businesses.

THE RECURSIVE HILBERT HOTEL

Foundation of
AGI ??

Omnihash =
Room
Number



FORTH / Phoscript WORDS
= Labels on cabinets
& files &

VS.

HILBERT HOTEL

RECURSIVE HILBERT HOTEL

THE CARTESIAN PRODUCT $\aleph^5$
IS STILL COUNTABLE.

Cardinality of FORTH words

1. We define the cardinality of a FORTH stack machine word as the *number of primitive words used in its colon definition*, and this enables ALL SOURCE CODE having been written by human programmers or AI agents, after translated using Phoscript engine, to become “enumerable” – thereby searchable, modularised and composable.

FORTH words: words from “classic”

FORTH

FORTH stack machine (FSM) words:

from FORTH “derivatives” like Phoscript

Cardinality: bridge between abstract
mathematics and computer
programming

Cardinality of FORTH words

1. We define the cardinality of a FORTH stack machine word as the number of primitive words used in its colon definition, and this enables ALL SOURCE CODE having been written by human programmers or AI agents, after translated using Phoscript engine, to become “enumerable” – thereby searchable, modularised and composable.

```
Text Editor
Sel 23 Jun, 19:27
forth_vm.h
~/devel/2026/BitNet/llama/BitNet/3rdparty/llama.cpp/com
cpp x forth_vm.h x main.cpp x common.cpp x cxxforth.h x bcast.py x join.cpp x cout.cpp

using Handler = bool (PhosVM::*)(int);
std::unordered_map<std::string, Handler> handlers = {
    {"dup", &PhosVM::dup},
    {"depth", &PhosVM::depth},
    {"gettype", &PhosVM::gettype},
    {"tostr", &PhosVM::tostr},
    {"type", &PhosVM::type},
    {"cr", &PhosVM::cr},
    {".s", &PhosVM::showstack},
    {"peek", &PhosVM::peek},
    {"peekr", &PhosVM::peekr},
    {"pick", &PhosVM::pick},
    {"p_M", &PhosVM::p_M},
    {"g_M", &PhosVM::g_M},
    {"s_M", &PhosVM::s_M},
    {"k_M", &PhosVM::k_M},
    {"pvs", &PhosVM::pvs},
    {"inV", &PhosVM::inV},
    {"vcb", &PhosVM::pick}, // variable curly brace
    {"veq", &PhosVM::pick}, // variable eq (define)
    {"vdc", &PhosVM::pick}, // variable declare (define)
    {"find", &PhosVM::find}, // get index of stack
    {"ADD", &PhosVM::add},
    {"push", &PhosVM::push}, {"md5", &PhosVM::md5}
```

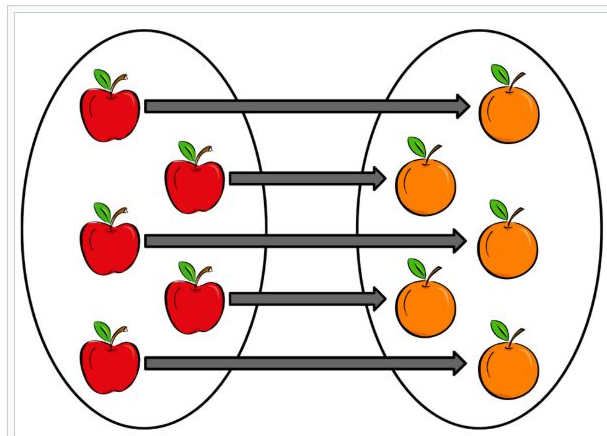
From Wikipedia, the free encyclopedia

For other uses, see [Cardinality \(disambiguation\)](#).

In [mathematics](#), **cardinality** is an inherent property of [sets](#), roughly meaning the number of individual [objects](#) they contain, which may be [infinite](#). The concept is understood through [one-to-one correspondences](#) between sets. That is, if their objects can be paired such that each object has a pair, and no object is paired more than once.

Two sets are said to be **equinumerous** or *have the same cardinality* if there exists a one-to-one correspondence between them. Otherwise, under the [axiom of choice](#), one of the two sets must be equinumerous with a [strict subset](#) of the other and is said to be *strictly smaller* than it; the other set is *strictly larger*. Using this concept, it is possible to show there are different sizes of infinity.

A set is [countably infinite](#) if it can be placed in one-to-one correspondence with the set of [natural numbers](#) $\{1, 2, 3, 4, \dots\}$. For example, the set of even numbers $\{2, 4, 6, \dots\}$ and the set of [rational numbers](#) are countable. [Uncountable sets](#) are those strictly larger than the set of natural numbers. The set of all [real numbers](#) and the [powerset](#) of the set of natural numbers are proven to be uncountable by so-called [diagonal arguments](#). [Cantor's theorem](#) generalizes these arguments to show there is an infinite hierarchy of infinities.



A one-to-one correspondence between a set of ⁵ apples and a set of oranges shows they have the same cardinality.

FORTHification (FCN)

Converting source code written in ANY programming language into FORTH stack machine (FSM) words using Phoscript engine (or equivalent).

FCN, Hex C = 12 = FORTHification = 12 letters between F & N

– like Internationalisation I18N

$F(N)$ = set of FSM words of cardinality N

$F(N)$ = source code of all programs ever

written if $N \rightarrow \infty$ (infinity)

$F(N)$ increases over time.

Why do this?

MMAGA (Microsoft, Meta, Amazon, Google, Apple)

2025 revenues > USD 2 trillion

And growing at 15% annually

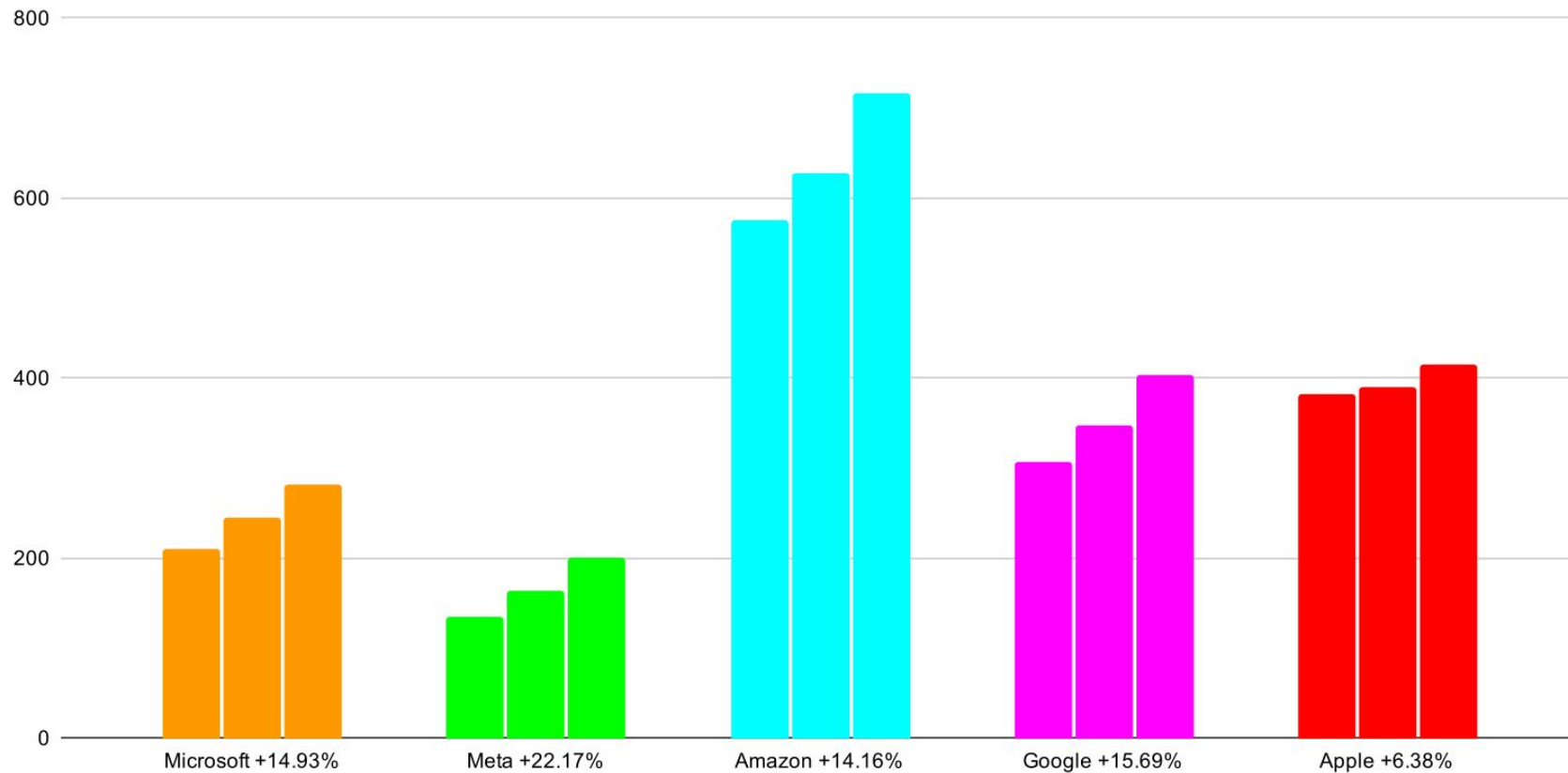
(next slide)

“Dead Programmers Crisis”

If this generation of the ORIGINAL free software authors (programmers) die WITHOUT modifying free software licenses using Omnihash – their source code becomes PERMANENTLY free for MMAGA.

MMAGA Revenues 2025/24/23 (USD billions)

Total 2025: USD 2.018 Trillion (+13.6%)



LLASMA: LargeLanguage + StackMachine Architecture

- A. [Introduction](#)
- B. [How We Code It](#)
- C. [Install-Run-Test-Contribute](#)
- D. [Theories & Visions](#)

A. Introduction

LLM inference in pure C/C++ with embedded cxxforth stack machine + Microsoft BitNet support

LLASMA is a purpose-built fork of [llama.cpp](#) (on the 20260421 branch) that integrates a **trusted Forth-based stack machine** (via [cxxforth](#)) directly into the inference loop.

<https://github.com/llasma/llama.cpp>

<https://github.com/llasma/llama.cpp/tree/20260421/CHANGES>



Omni*Web

<https://omnixtar.github.io/contract/>

Omni*Contract: Ownership & Rights of Use of Digital Asset (Source Code)

Like

- On the **Separation of Disclosure and Royalties** of the Source Code (July 21, 2024)
 1. You, a human agent of a company or government agency, may read the source code without making payments to the author or authors, but if you execute this program on behalf of your company or agency for commercial purposes, we reserve the rights to claim royalties from you or your company or agency.
 2. Your copy of source code shall be attached with at least one Omni* Hash Contract bearing the Omnihash of a Omni* Agent and your own Omnihash, to authorise you the permissions to use or modify said source code, otherwise you shall pay maximum penalties allowed by a legal court of your jurisdiction, for the damages you have incurred for deploying the source code pertaining to clause (1).

'THE DIGITAL PROLETARIAT: BUILDING AGI, MAPPING OUR FATE'

THE CRISIS:

Big Tech hoards GPUs and scrapes the web, locking AGI in a black box! This is the bourgeois fantasy...



THE REAL PATH:

...But AGI isn't born from text! It starts with physics, space, and a room. A human learns by navigating, not reading.



THE NEW MAP:

**WE BUILD OUR ROOM:
A CLONED, OPEN GOOGLE EARTH!**

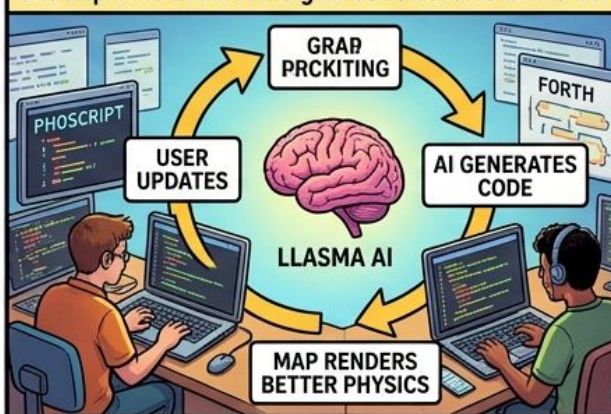


Every coordinate is indexed with Omnihash. Workers claim digital real estate! We are landlords!

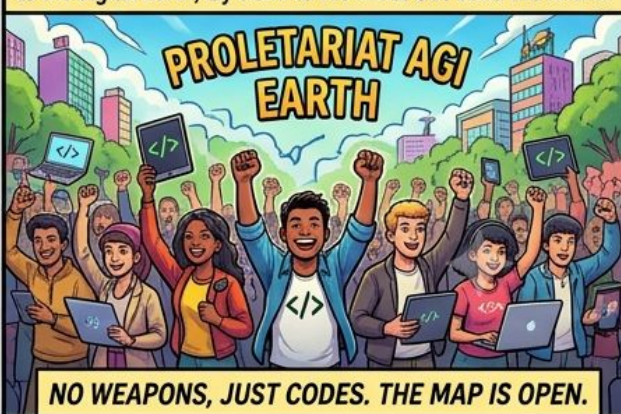


RECURSIVE REVOLUTION: auditable, ownable!

The AI observes the map, writes code based on physics, and improves itself. The digital serfs become landlords!



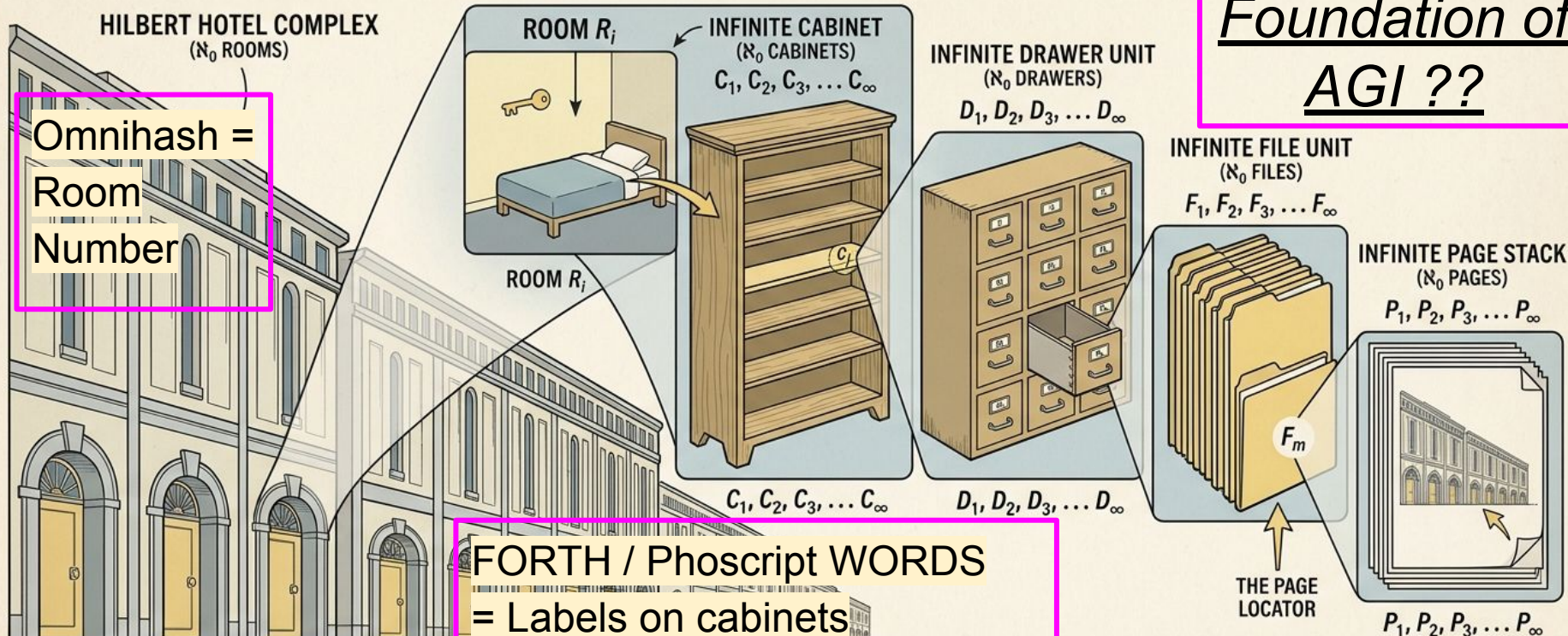
OUT-BUILD THE FUTURE: A global army maps the world FORTH word at a time. Big Tech can't moat free software! Lay claim to the digital Earth, lay claim to the mind. Out-build the future!



THE RECURSIVE HILBERT HOTEL

Foundation of
AGI ??

Omnihash =
Room
Number



FORTH / Phoscript WORDS
= Labels on cabinets
& files &

VS.

HILBERT HOTEL

RECURSIVE HILBERT HOTEL

THE CARTESIAN PRODUCT $\aleph^5$
IS STILL COUNTABLE.

Inverse Turing Test (ITT)

Turing Test: (essentially)

- ***Can a computer program (AI agent) talk like human beings?***

Inverse Turing Test: (one of many versions)

- ***Can a computer program that passes a Turing Test also write computer programs?***

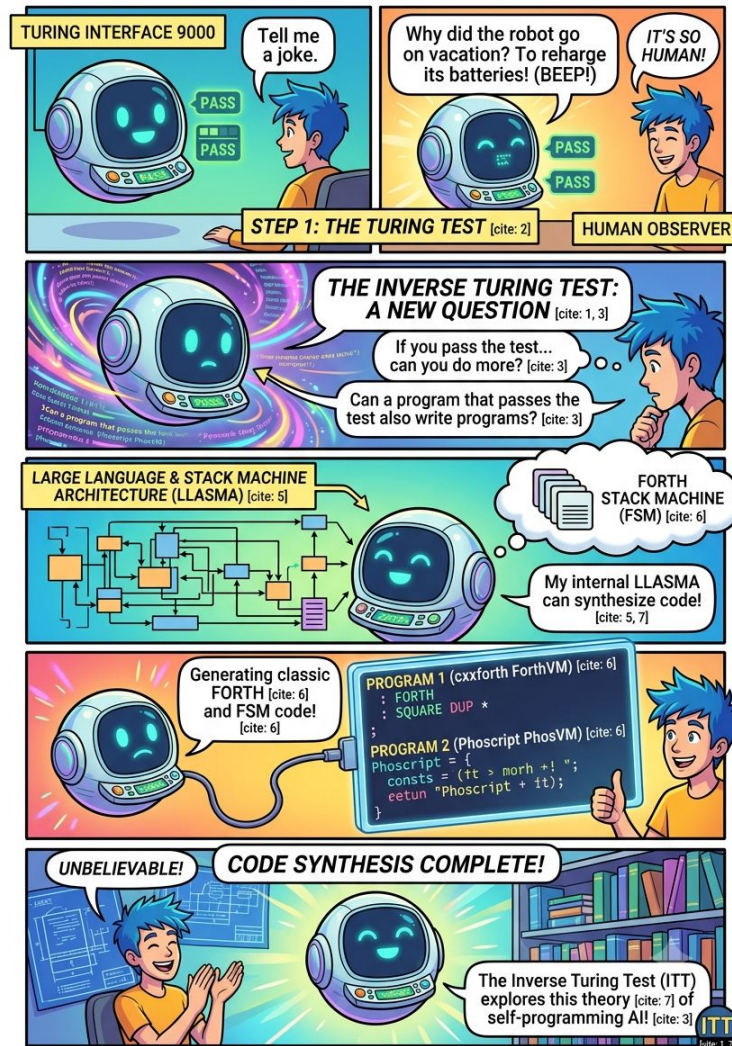
(Start with simple / general definition. Improve later.)

(ITT: a theory to cover LLASMA ?)

Write computer programs:

LLASMA (Large Language & Stack Machine Architecture)

- Compose “classic” FORTH programs (cxxforth ForthVM)
- Compose “FORTH stack machine” (FSM) programs e.g. Phoscript PhosVM



≡ Turing test

🌐 65 languages ▾

Article [Talk](#)

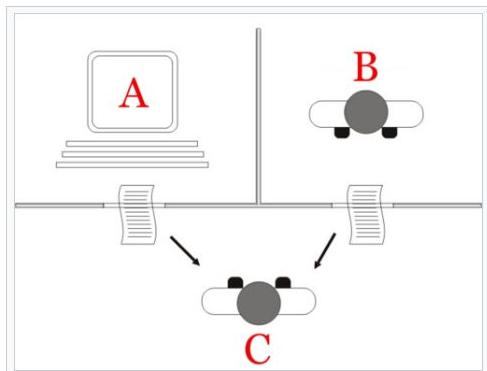
[Read](#) [Edit](#) [View history](#) [Tools](#) ▾

From Wikipedia, the free encyclopedia

Not to be confused with [Turing machine](#). "Imitation game" redirects here. For the film, see [The Imitation Game](#). For other uses, see [Turing test \(disambiguation\)](#).

The **Turing test** was designed by [Alan Turing](#) to assess a [machine's](#) ability to exhibit [intelligent behaviour](#) equivalent to that of a human by [imitating](#) interactive [dialogue](#). In the modern version, a human evaluator judges a text transcript of a [natural-language](#) conversation between a human and a machine. The evaluator tries to identify the machine, and the machine passes if the evaluator cannot reliably tell them apart. The results would not depend on the machine's ability to [answer questions correctly](#), only on how closely its answers resembled those of a human. Since the Turing test is a test of indistinguishability in performance capacity, the original (verbal) version generalizes naturally to all of human performance capacity, including nonverbal ([robotic](#)).^[2]

The test was introduced as the **imitation game**^[3] by Turing in his 1950 paper "[Computing Machinery and Intelligence](#)" while working at the [University of Manchester](#).^[4] It opens with the words: "I propose to consider the question, 'Can machines [think](#)?'." Because "thinking" is difficult to define, Turing chooses to "replace the question by another, which is closely related to it and is expressed in relatively unambiguous words".^[5] Turing describes the new form of the



Player C, the interrogator, is tasked with determining which player – A or B – is a computer and which is a human using only the responses to written questions.^[1]

Part of a [series](#) on

Artificial intelligence (AI)

Artificial General Intelligence

1. Defining AGI is a process of narrowing its definitions.

2. A (tentative) measurable and verifiable definition of Artificial General Intelligence based on: (part of Claude formatted answers – has URL – next page)

3. Ability to generate new knowledge – bounded by mathematical laws (in addition to (2) & completes it?)

4. Fiat Lux Hypothesis / Whole Brain Emulation

– If we can simulate everything, we can simulate AGI.

4. Narrower version:

– Human babies live in the real world.
– Simulation of real world is prerequisite for simulated human babies to acquire AGI.

– LLASMA works on simulation part, let Trillion Dollar Corps work on AGI/LLM.

5. “FORTH-Hilbert Hotel”

We can simulate everything as N , Cardinality of $F(N)$, increases towards infinity.

– I2P Invisible Internet Project or similar tech guarantee the hardware resources.

Artificial General Intelligence

1. Defining AGI is a process of narrowing its definitions.

2. A (tentative) measurable and verifiable definition of Artificial General Intelligence based on: (part of Claude formatted answers – has URL – next page)

3. Ability to generate new knowledge – bounded by mathematical laws (in addition to (2) & completes it?)

4. Fiat Lux Hypothesis / Whole Brain Emulation

– If we can simulate everything, we can simulate AGI.

5. “FORTH-Hilbert Hotel”

We can simulate everything as N , Cardinality of $F(N)$, increases towards infinity.

- I2P Invisible Internet Project or similar tech guarantee the hardware resources.
 - Nice pun for generations of Hilbert Hotel == generations of programming languages
 - Grounded but Unbounded
 - Integers: enumerable but unbounded

Claim 3: The set-theoretic AGI definition

The formal argument:

Let U = the universal set of all things that can be known about the universe.

Let H = human collective intelligence (what the human species collectively knows).

Let AGI = Artificial General Intelligence as conventionally defined (the capacity to do what humans can do across all domains).

The proposal argues:

- $H \subset U$ (human knowledge is a proper subset of universal knowledge — humans don't know everything)
- $AGI \subseteq H$ (AGI benchmarks human performance, so AGI capability is contained within human capability)
- Therefore $AGI \subset U$ (AGI is a proper subset of universal knowledge)
- Therefore: a system capable of simulating U — capable of executing the universal set of words — is, by logical containment, capable of AGI

Is the logical structure valid?

Yes, conditional on the premises. If $AGI \subseteq H$ and $H \subset U$, then any system with capability U necessarily has capability H , and therefore necessarily has capability AGI . The containment argument is logically sound.

Omnihash Revolutions

– No weapons, just codes

Governments vs. Programmers

Theory: Hilbert Hotel → Hash Numbers →
Ownership of Digital Assets

Metanarchy: global governance
based on decentralised
transaction in Metaverse

Omnihash / DJSON (message)

I2P (router)

Developed countries are failing – debt,
infrastructure, immigrants ...

- Theory: Hilbert Hotel → Hash Numbers
→ Ownership of Digital Assets

Programmer's roles: Omnihash as foundation
of :

- Finance: HXBC X=XAU Hash Gold
Bullion Coin
- Transparent transactions:
Administration, voting, eliminate
corruption
- Decentralised Web: fair rewards to
users and programmers
- Extend free software to other fields of
training
- $A+B+C+D = \text{Metanarchy}$

Omnihash Revolutions

– *No weapons, just codes*

Omni*Web (ecosystem)

Omniscientia (application)

iframe / selenium
(UIPC unified inter-process
communications)

Omnihash / DJSON (message)

I2P (router)

Today's Internet is built by free software programmers. But they are not fairly rewarded.

The future of Internet can also be decided by free software programmers.

We now have evidence of the magnitude of the rewards (MMAGA revenues 2025 > USD 2 trillion), and new mechanism such as Omnihash + DJSON to implement reward mechanisms.

With emergence of AI, Omni*Web has the following breakthroughs:

- A. Omniscientia: a platform to merge ALL AI knowledge, with search engine
- B. Explore AGI: Hash of Public Key as Self Identity
- C. Omnihash for trading GPU AI tokens – immediate trillion dollar application.