

HUMAN PROGRESS
SPIN DOWN

ASSEMBLY
GROUP DYNAMICS
TRANSBIOLOGY
COMPUTING

PATENTS

02TL

JOSEPHSON COMPUTERS

COMPUTATIONAL GLOBALIZATION
Install cubes from any financial level.

Superconducting quantum computing uses qubits implemented by the state of small superconducting circuits called Josephson junctions. Zeptascal calculations per second are attained.

05TL

SURVEILLANCE CURRENCY

Peer-to-peer online currencies attain full transparency and restrict shell companies by maintaining a blockchain public record of every transaction.

05TL

FLYWHEELS

A high-density, rapid-spin wheel has a higher energy density than batteries, but the vacuum chamber must be armored with superalloys to be safe enough to use with manned vehicles.

07TL

ELECTRODYNAMIC TETHERS

A long tether orbiting through Earth's magnetic field generates a low but continuous thrust via Lorentz forces, useful to nudge debris, generate electricity, or catapult payloads.

08TL

SMART LAWS
FAIL-SAFE CONTRACTS

GOVERNED GOVERNANCE
Hire into Utility for zero cost.

Sunset provisions, legal reductionism, and machine enforcement of contracts, policies, and law. Smart legal systems continuously self-evaluate and remove laws that are inefficient or unnecessary.

00TL

ARCOLOGIES

Densely-populated, low-impact, vertical suburbs that incorporate the surrounding ecology into an urban setting.

02TL

CONDUCTIVE POLYMERS
ELECTROPLASTIC PROTOTYPING

Plastics that conduct electricity can be used to make flexible smart displays, microsensors, and solar-energy collecting paint.

03TL

EXOCORTEX
CYBER SYMBIOSIS

QUORUM
May commercialize any non-tipping card without needing to syndicate it. Ability is deactivated in a Think Tank.

Low latency augmentation of cognition via micro-fMRI or other neural interface.

04TL

ADDICTION MODIFICATION

Neuroscientific discoveries as to the causes and treatment of the strange and uniquely human love affair with addictive substances.

05TL

SOUSVEILLANCE RIGHTS

The widespread "from below" recording of transactions using microcameras, subpoenas, and search algorithms to provide a check on the unscrupulous.

06TL

COGNITIVE SCIENCE

New medical techniques to shut down the consciousness have the potential to improve mental health, sleep disorders, and neuroplasticity.

08TL

UNIVERSAL BIOMETRIC DATABASE

Personal data and metadata continuously updated by medical and law enforcement officials and available by warrant. Private access allows control and sale of your own data to service providers.

08TL

LAST RESORT PUNISHMENT

The imposition of punitive incarceration only for individuals who pose an ongoing danger to society, while repurposing resources for outpatient treatment, rehabilitative programs and juvenile interdiction.

05TL

EPIGENETIC HEALTHCARE

Science of heritable changes in gene function that do not involve changes in the DNA sequence. Epigenetic changes such as protein folding can occur in response to environmental exposure, leading to transgenerational epigenetic inheritance.

02TL

BACTERIOPHAGES

Genetically-tweaked variants of lytic viral strains provide a silver bullet against bacteria, regardless of their antibiotic resistances.

02TL

DESIGNER PROTEINS

Proteins can be designed to fold predictably, making possible protein machines. Like a ribosome, such machines are programmable under the direction of molecular tapes. The products can be any biochemical, from DNA to hormones.

02TL

PEBBLE FISSION

Nuclear fission reactors that use spherical fuel elements with graphite armor for low radioactive waste, continuous loading and ejection, and passive safety (not needing active cooling to prevent meltdown).

03TL

SOMATIC RIGHTS
BIOETHICS

The individual's right to uninherited self-modification.

03TL

METADATA MINING
META-HASHTAGS

Pattern-seeking, "Dewey Decimal" programs with predefined learning parameters, specialized to organize and retrieve data from an ocean that currently grows an order of magnitude every 2 years.

09TL

AFFECTIVE ROBOTICS

The lack of youth in a rapidly aging population represents a huge underpopulation crisis today. Robotherapists and robocaretakers will fill this gap, with programmed emotions that are real, not simulated.

00TL

HYPERTELESKOPE

This planet-hunting telescope, with a primary at 550 AU, uses Sol itself as a gravitational lens. It enjoys an optical gain of 113 dB, enough to zoom-in on a landing site as far out as Epsilon Indi.

00TL

EXOSOMATIC ALTER EGOS

Uploading your reconstructed personalities and memories into networked computers or robotic avatars.

01TL

METAL-ORGANIC AEROGELS
ATOMETRIC MACHINES

In space one can produce a graded alloy of metal ions nesting in the lattice of an organic polymer. Decomposing the organics would leave a jet-black ghostly aerogel wire - a tough, strong, ductile semiconductor weighing almost nothing.

06TL

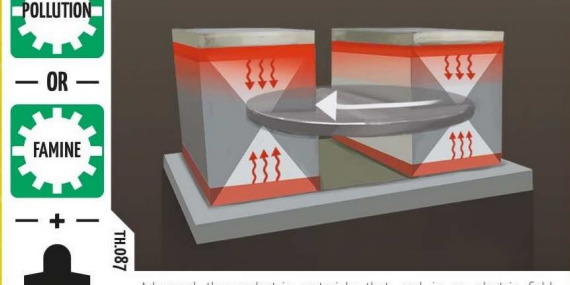
ARTIFICIAL NEURAL NETWORKS

BREAKTHROUGH: BLUE-BLUE is viable for you.

An array of artificial neurons teaching itself through tasked positive feedback. Applications include vision, speech recognition, translation, social network filtering, diagnosis and boardgames.

00TL

NANO SOLID-STATE REFRIGERATION



Advanced thermoelectric materials that cool in an electric field (electrocaloric) dramatically increase refrigeration efficiency, allowing pint-sized refrigeration merging with clothing and vehicles.

TH1007

GERMLINE ALTERATION



Full genomic customization through RNA interference, CRISPR, and genetic quelling provides inheritable improvements.

TH1002

UNIVERSAL BASIC INCOME



Unconditional living stipends taken from citizens of wealthy nations and used to combat poverty, inequality and unrest.

TH1002

CO-BOTS



Robonatic extensions of the self, acting as digital interfaces and helper bots.

TH1007

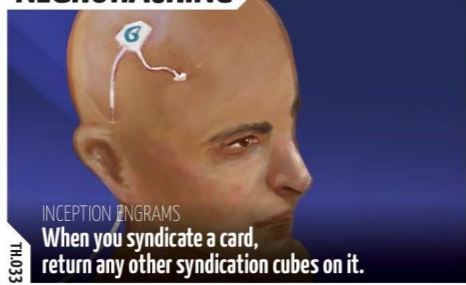
TELOMERE LIFE EXTENSION



Telomeres are terminal sequences of DNA protecting the strand from deterioration. Telomere shortening is associated with aging and may have a Darwinian function to self-destruct the human at a certain age.

TH1002

NEUROHACKING



INCEPTION INGRAMS
When you syndicate a card, return any other syndication cubes on it.

TH1003

FULL TRANSPARENCY GOVERNANCE



PUBLIC/PRIVATE PARTNERSHIPS
You may gain Patents when using utility work.

TH1001

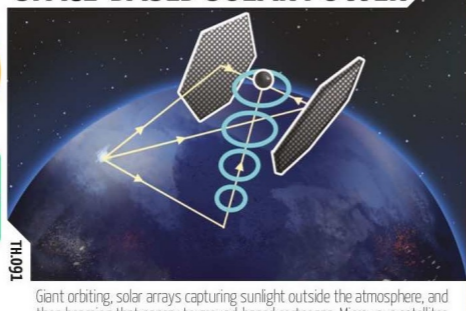
INTERNET OF THINGS



Logistics chips in products from cars to appliances monitor wear and tear and replace failed parts with 3D-printed substitutes.

TH1001

SPACE-BASED SOLAR POWER



Giant orbiting solar arrays capturing sunlight outside the atmosphere, and then beaming that energy to ground-based rectennas. Microwave satellites in geostationary orbit avoid terrestrial inefficiencies like atmospheric disturbances, clouds, and sunsets.

TH1001

BIO-PRINTING



The same principles that guide the 3D printing of polymers applied to organic structures. Whole organs, ligaments, proteins, and tissues can be created at the touch of a button.

TH1001

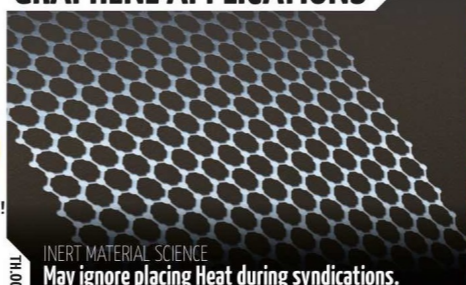
NANOWIRE BATTERIES



The use of nanowires increases the surface area of both of a battery's electrodes, allowing hundreds of thousands of recharge cycles without loss of capacity.

TH1000

GRAPHENE APPLICATIONS



INERT MATERIAL SCIENCE
May ignore placing Heat during syndications.

Transparent and flexible conductors useful for solar cells, microbots, batteries, and numerous other nano-assembled products.

TH1000

DIGITAL RIGHTS



A bill of digital rights applied globally, including access rights, net neutrality, authorship IP, and unobstructed communication.

TH1001

SMART MOBS



Collectivism in software form, allowing individuals across the planet to solve an assortment of complex problems ranging from "where should I build this factory?" to "what should I wear today?"

TH1007

STATELESS CITIZENSHIP



The establishment of universally recognized transaction rights, globally regulating the latitude of national governments to tax or restrict immigration. Federalism ramped up to a global scale.

TH1009

REVERSE CYBORG

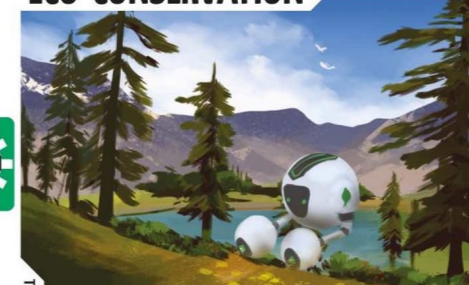


TRANSHUMAN
If you research a Tipping Point, the game ends with Tipping Point Scoring.

A hybrid with a computer brain and a biological body. It combines the self-repair and reproductive faculties of the animal body with the advantages of a digital mind.

TH1007

ECO-CONSERVATION



The philosophy that natural ecological changes and cycles should be halted to hold the ecosystem in an unnatural stasis ideal for humans.

TH1000

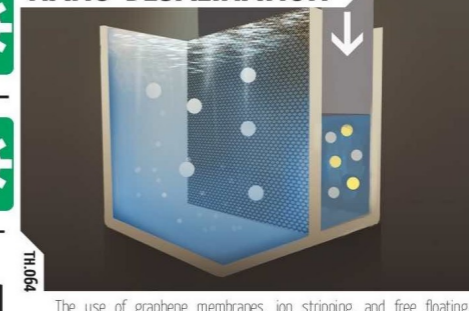
PARENTAL LICENSING



Governmental regulation of reproductive rights with an aim to reduce poverty and abuse. Parenting standards, mandatory genetic testing, and wealth thresholds come at a cost of relinquishing personal freedoms.

TH1006

NANO-DESALINATION



The use of graphene membranes, ion stripping, and free floating nanocatalysts to turn polluted sea water into fresh water free of agrochemicals, heavy metals, and biocides.

TH1002

DIRECT DEMOCRACY



A "majority rules" social system replacing human representatives with continuous online opinion polls. A watchdog prevents violations of individual rights.

TH1002

UNIVERSAL PROPERTY DIRECTORY



The upload of all property transactions into a blockchain subjects waste, fraud, taxation, and corruption to public and official scrutiny. This master database would start with real estate and property rights, but evolve into tracking money, IP, and contractual rights.

TH1001

SMART PETS



Lab animals enhanced with brain-computer interface technology. This device can be 3D-printed and applied to a domestic animal capable of unspecialized tasks. Swarms of smart mice, ants, or worms might be more resilient and cost effective than swarms of drones.

TH1001

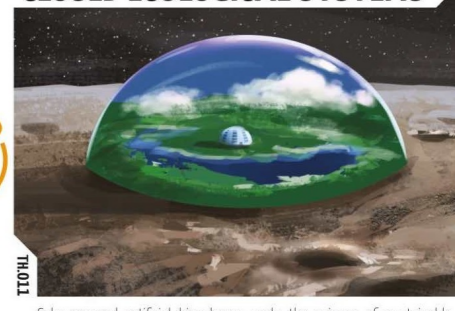
P2P FOUNDATIONAL ECONOMICS



The transition from intercorporate (group to group) transactions to interpersonal ones, enabled by reputation tracking and vastly more secure internet infrastructure.

TH1001

CLOSED ECOLOGICAL SYSTEMS



Solar-powered artificial biospheres apply the science of sustainable man-made ecosystems and recycling, making possible orbiting space colonies.

TH1001

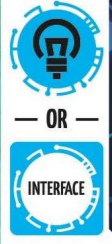
AVATAR VR



Technology allowing you to experience all the sensory inputs of a co-bot or other human.

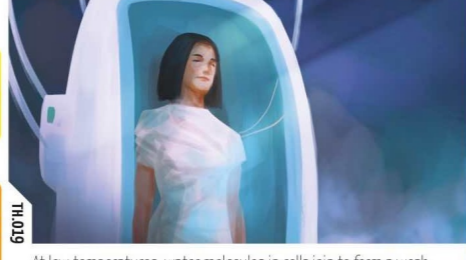
TH1001

SEMANTIC WEB



The utilization of a universal machine language and network protocol for all computational endeavors.

CRYOBIOLOGY



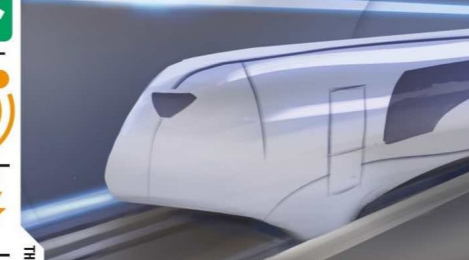
At low temperatures, water molecules in cells join to form a weak framework of crosslinks, preserving neural structures and perhaps the patterns of mind and memory. To reverse the biostasis, cell repair machines are pumped through the blood vessels, replacing the earlier cryogenic fluid.

NEGATIVE SHARES



Each grand project offers both positive and negative shares. If the promoters decide to proceed, they keep the money for positive shares but buy back the negative ones. If the project is dropped, the opposite occurs: keeping the money of those who have purchased protection against the project.

HIGH TEMP SUPERCONDUCTORS



Substances that can conduct electricity with zero resistance while near room temperature. Would enable zero-loss power transmission, flux computing, and cheap magnetic confinement fusion.

SCRAMJETS



Hyperonic aircraft using air-breathing jet engines with no moving parts. Powered flight to 40 km altitude, ballistic flight to 90 km altitude, then monatomic propulsion to orbital velocities.

NOUVELLE SWARM INTELLIGENCE



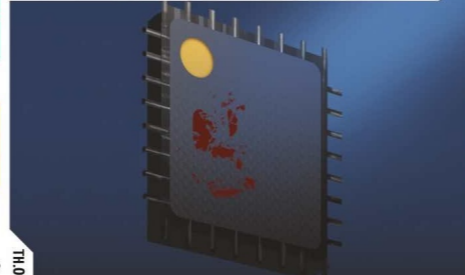
Robotic learning of simple physical behaviors. Through trial and error, these evolve into complex coordination between nearly identical units. Such swarms could protect against outbreaks of replicating machines.

SEPARATION OF BUSINESS & STATE



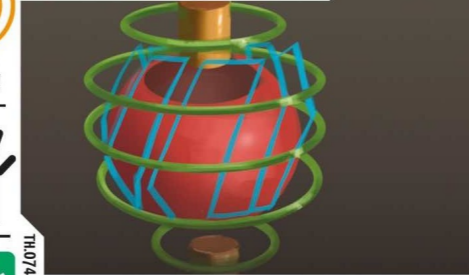
Business and State must be kept separate for the same reasons that Church and State must be kept separate: preservation of individual liberties. This means no government bailouts, protectionism, or regulations against uncoerced transactions.

DIGITAL MICROFLUIDIC BIOCHIPS



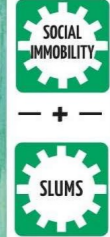
Microchips that incorporate microfluidics laboratory functions for automation and high-throughput screening applications from disease diagnosis to detection of bioterrorism agents to interplanetary microprobes.

ANEUTRONIC FUSION



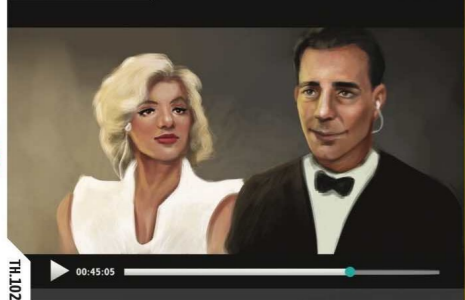
Fusion reactions such as proton-boron are unique in that they are almost neutron-free, greatly reducing waste heat and radiation.

EUTHENICS



The improvement of human welfare through childhood environmental factors, rather than leaving these responsibilities solely to biological parents.

VISAGE IP



The marketing and copyrighting of faces of famous people for use in media, plastic surgery, or online presence.

HOLOGRAPHIC SYMBOLIC AI



Multiple motor-sensor units utilizing human-readable symbology for logic and search. Each cooperating unit maintains its own holographic memory, the next leap in high-capacity data storage.

BEAMED POWER TRANSPORT



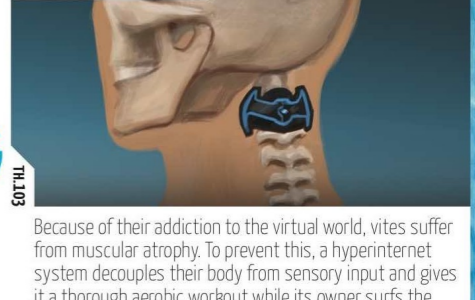
Lasers beamed from an orbiting, solar-powered platform can power stratospheric airliners, zeppelins, and boosters. This space-based energy skips the pollution and limits of terrestrial energy sources.

LOVE ETERNAL



The realistic virtual reconstruction of lost loved ones.

VERTEBRANE



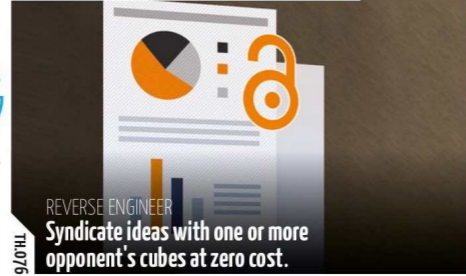
Because of their addiction to the virtual world, vites suffer from muscular atrophy. To prevent this, a hyperinternet system decouples their body from sensory input and gives it a thorough aerobic workout while its owner surfs the internet. Eating, showering, and toilet use are attended to.

OPEN SOURCE SEXUALITY



The exploration and acceptance of a dramatically expanded definition of consensual relationships. Compassion replaces jealousy. Monosexuality, polyamory, and asexuality become normalized.

OPEN ACCESS RESEARCH



Publicly-funded foundational research freely provided to the web to encourage novel research and data-mined discoveries. Copyrights and patents, while not prohibited, are reduced in time and breadth.

NOOTROPICS



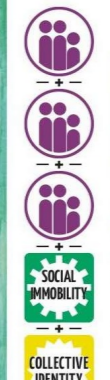
Pharmaceuticals designed to stimulate intelligence, memory, creativity, and motivation.

TRUTH MACHINE



As an action, you may rearrange the cards in the cutting edge. A culture of wearable personal lie detectors and public polygraphs, thus eliminating dishonesty, fraud, and criminal behavior.

OPEN BORDER RIGHTS



Replacing antiquated sovereignty and nationalist walls under governmental control with the universal right to seek opportunity regardless of place of birth.

AVATAR TEACHERS



Hiring costs are 2 instead of 3. Human-taught interactive classes, globally broadcasted, and featuring personalized expert system AIs for academic tracking and job matchmaking.

NEOGEN PHARMING



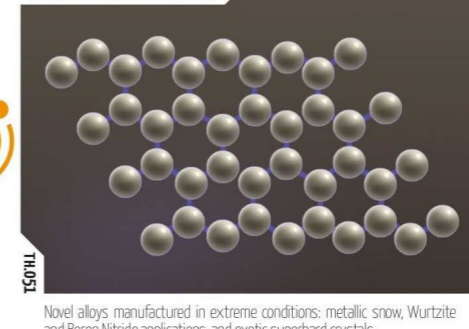
Fully reproductive animals and plants genetically modified to provide specific products or services. Imagine neogen mice bred for organic superlubricants, or tomatoes bred for vaccines.

NANOCHONDRIA



As an action, may move a gold discipline visible in the Splay to the bottom of the Splay, then check for Regime Change. Tampering with embryonic mitochondrial DNA results in reproducing cyborg mitochondria in each of your cells, for superhuman endurance and resistance.

SUPERALLOYS



Novel alloys manufactured in extreme conditions: metallic snow, Wurtzite and Boron Nitride applications, and exotic superhard crystals.

EXTERNALITIES PHILOSOPHY



Your Problems are worth double VP. Profits regarded as any human value as determined by philosophy, rather than money or growth.

SANGRECYTES

AGING
OR
INFIRMITY

MAGIC BULLET
Syndicate ideas with a gold discipline for cost 0.

Artificial blood augmented with reprogrammable nanites to both regulate their host's physiology and collect micro-scale medical data.

INFESTATION

PROGRAMMABLE MATTER

As an action, may move an orange discipline visible in the Splay to the bottom of the Splay, then check for Regime Change.

Stuff that can change its shape, optics, conductivity, or other properties in a programmable fashion, based upon user input or autonomous sensing. It must accordingly be able to perform information processing.

CENTRALIZED CONSTRUCT AI

BREAKTHROUGH
GREEN-GREEN is viable for you.

A scruffy, Frankenstein AI in which dispersed elements are under centralized control.

FRANKENSTEIN
HUMAN-MACHINE WAR

GLOBAL POLICING

ADVERSE JURISDICTIONS!
OR
PIRACY!

A global bureaucracy with enforcement powers over human rights and intellectual property abuses, even on a local scale.

CENTRAL PLANNING

ELECTRONIC TEXTILES

TECHNOCULTURE
Your Companies are worth double VP.

These electronic fabrics embed solar cells and digital components for communication, transforming, fashion, computing, identification, health monitoring, danger detection, and growth.

INTERFACE

PRAGMATIC UTOPIA

As an action, may move a green discipline visible in the Splay to the bottom of the Splay, then check for Regime Change.

Police, fire, judicial, and other government functions kickstarted by crowdfunding instead of coercive taxation.

ADVANCED SPINTRONICS

Computer memory (RAM) based on electron spin rather than flow, with extremely fast switching times, and antimagnetic data storage (HD), could fulfill Moore's law without disturbing basic transistor architecture.

CULTURAL AUTODIDACTICISM

REPUTE
If you solve a problem that has already been solved, gain the chit from its current holder.

The encouragement of independent, cosmopolitan, self-directed learning, in order to inoculate against obsolete memes, weaponized propaganda, and fake news.

GROUP THINK
COLLECTIVE IDENTITY

EXOSKELETONS

INFIRMITY
OR
RADIATION!

A skin-suit a millimeter thick has room for a thousand layers of active nanomachinery and nanoelectronics in the inner layer to transmit forces and sensations. It is actuated by a weave of diamond-fiber artificial muscles powered by electric motors. For use in space, a radiation shield is included.

ENSLAVED GOD

As an action, may move a blue discipline visible in the Splay to the bottom of the Splay, then check for Regime Change.

A superintelligent and conscious AI confined by humans. Although tasked to pursue human goals, there is nothing stopping a conscious being from deriving its own values.

ABOLITIONIST
ESCAPE

METAL-AIR BATTERIES

This uses an anode made from pure metal and an external cathode of ambient air. The high energy density (13,300 Wh/kg) is attractive for electric cars.

QUANTUM CRYPTOGRAPHY

DATA HACKERS!
QUANTUM ESPIONAGE
Able to use the ability on any opponent's Think Tank.

The exploitation of quantum mechanisms to break public-key, large prime number encryption. These same mechanisms could be used to make eavesdropper-proof (though not necessarily tamper-proof) cryptosystems.

DOMINANT SPHERE CLOUD

TWO CARDS IN THE CUTTING EDGE ARE COMPUTING

RESEARCH COSTS ZERO

COMPUTING PATENTS ARE WORTH DOUBLE

TIPPING POINT GAME END:
EACH CLOUD COMPANY OR PROBLEM = 2VP

DOMINANT SPHERE SPACE

TWO CARDS IN THE CUTTING EDGE ARE ASSEMBLY

COMMERCIALIZATION IS SUBSIDIZED

ASSEMBLY PATENTS ARE WORTH DOUBLE

TIPPING POINT GAME END:
EACH SPACE COMPANY OR PROBLEM = 2VP

NO DOMINANT SPHERE PARADIGM SHIFT

ALL THREE CARDS IN THE CUTTING EDGE ARE THE SAME DISCIPLINE

SYNDICATION COSTS ZERO

ALL PATENTS ARE WORTH DOUBLE

TIPPING POINT GAME END:
EACH FUTURE SHOCK = 1VP

NO DOMINANT SPHERE GLOBALIZATION

ALL CARDS IN THE CUTTING EDGE ARE OF DIFFERENT DISCIPLINES

ALL WORK IN DEVELOPING WORLD IS SUBSIDIZED

TIPPING POINT GAME END:
EACH PROBLEM OR COMPANY IN YOUR HIDDEN SPHERE = 1VP

DOMINANT SPHERE FIRST WORLD

TWO CARDS IN THE CUTTING EDGE ARE TRANSBIOLOGY

SURGE ARROW ICONS OF BOTH COLORS EXIST ON EACH IDEA

TRANSBIOLOGY PATENTS ARE WORTH DOUBLE

TIPPING POINT GAME END:
EACH FIRST WORLD COMPANY OR PROBLEM = 2VP

DOMINANT SPHERE DEVELOPING WORLD

TWO CARDS IN THE CUTTING EDGE ARE GROUP DYNAMICS

HIRING COSTS ZERO

GROUP DYNAMICS PATENTS ARE WORTH DOUBLE

TIPPING POINT GAME END:
EACH DEVELOPING WORLD COMPANY OR PROBLEM = 2VP

DISCARDING THIS ENDS THE GAME IN PLURALITY

EACH PLAYER GETS 1 VP PER PROBLEM IN THE DOMINANT SPHERE, PLUS 1 VP PER PROBLEM IN THEIR HIDDEN SPHERE.

TIPPING POINT

You can research this only if you have it syndicated.

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BLOGGER



FUNDRAISER

EFFECT

Divestments - Collateral - Capital accumulation

SYNDICATE

COST

Market or Market x 2 if any Agents Present

EFFECT

Install syndication - (Heat)- (Surge)

COMMERCIALIZE

-PRECONDITION

Viable & Syndicated

COST

Barrier, or Barrier x 2 if unsubsidized

WORK



EFFECT

Enact impacts, move to Splay, syndication → Patents Regime change

HIRE

COST

\$3

EFFECT

Install employee

RESEARCH

COST

Barrier, or Barrier x 2 if unsubsidized

WORK



EFFECT

Discard lowermost idea - Refresh gaps (Install 1 or 2 Patents OR Think Tank)

PLACATE HEAT

EFFECT

Divest 1 heat

IMPORT

PRECONDITION

No opponent cubes

EFFECT

Move idea to a gap

THINK TANK STACK →

CAPITAL

↓ +\$

WEALTH

↓ +\$

DEBT

Sell Patents : gain \$X where X is the number of matching Disciplines in the splay

Citizen



FUNDRAISER

EFFECT

Divestments - Collateral - Capital accumulation

SYNDICATE

COST

Market or Market x 2 if any Agents Present

EFFECT

Install syndication - (Heat)- (Surge)

COMMERCIALIZE

-PRECONDITION

Viable & Syndicated

COST

Barrier, or Barrier x 2 if unsubsidized

WORK



EFFECT

Enact impacts, move to Splay, syndication → Patents Regime change

HIRE

COST

\$3

EFFECT

Install employee

RESEARCH

COST

Barrier, or Barrier x 2 if unsubsidized

WORK



EFFECT

Discard lowermost idea - Refresh gaps (Install 1 or 2 Patents OR Think Tank)

PLACATE HEAT

EFFECT

Divest 1 heat

IMPORT

PRECONDITION

No opponent cubes

EFFECT

Move idea to a gap

THINK TANK STACK →

CAPITAL

↓ +\$

WEALTH

↓ +\$

DEBT

Sell Patents : gain \$X where X is the number of matching Disciplines in the splay

doctor



FUNDRAISER

EFFECT

Divestments - Collateral - Capital accumulation

SYNDICATE

COST

Market or Market x 2 if any Agents Present

EFFECT

Install syndication - (Heat)- (Surge)

COMMERCIALIZE

PRECONDITION

Viable & Syndicated

COST

Barrier, or Barrier x 2 if unsubsidized

WORK



EFFECT

Enact impacts, move to Splay, syndication → Patents Regime change

HIRE

COST

\$3

EFFECT

Install employee

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EFFECT

Divest 1 heat

IMPORT

PRECONDITION

No opponent cubes

EFFECT

Move idea to a gap

THINK TANK STACK ↘

Sell Patents : gain \$X where X is the number of matching Disciplines in the splay



CAPITAL



WEALTH



DEBT

COLONEL



FUNDRAISER

EFFECT

Divestments - Collateral - Capital accumulation

SYNDICATE

COST

Market or Market x 2 if any Agents Present

EFFECT

Install syndication - (Heat)- (Surge)

COMMERCIALIZE

PRECONDITION

Viable & Syndicated

COST

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WORK



EFFECT

Enact impacts, move to Splay, syndication → Patents Regime change

HIRE

COST

\$3

EFFECT

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PLACATE HEAT

EFFECT

Divest 1 heat

IMPORT

PRECONDITION

No opponent cubes

EFFECT

Move idea to a gap

THINK TANK STACK ↘

Sell Patents : gain \$X where X is the number of matching Disciplines in the splay



CAPITAL



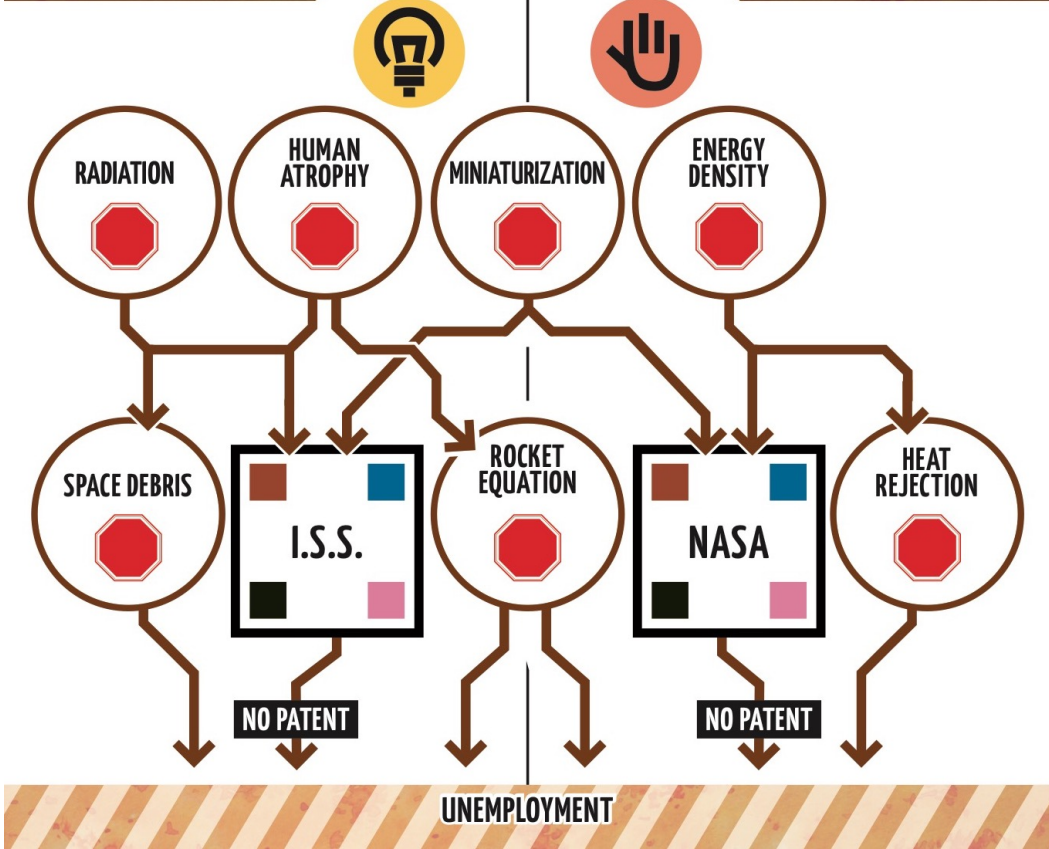
WEALTH



DEBT

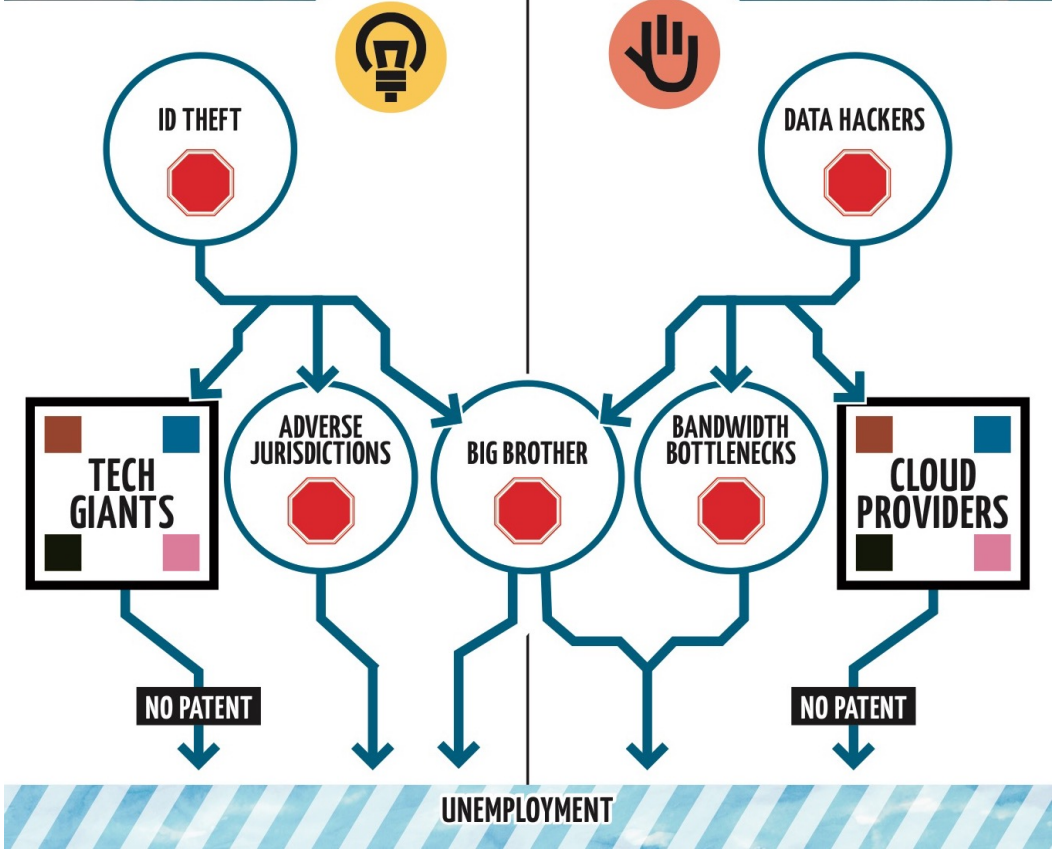
SPACE

ASTRONAUTICS ROBOTICS



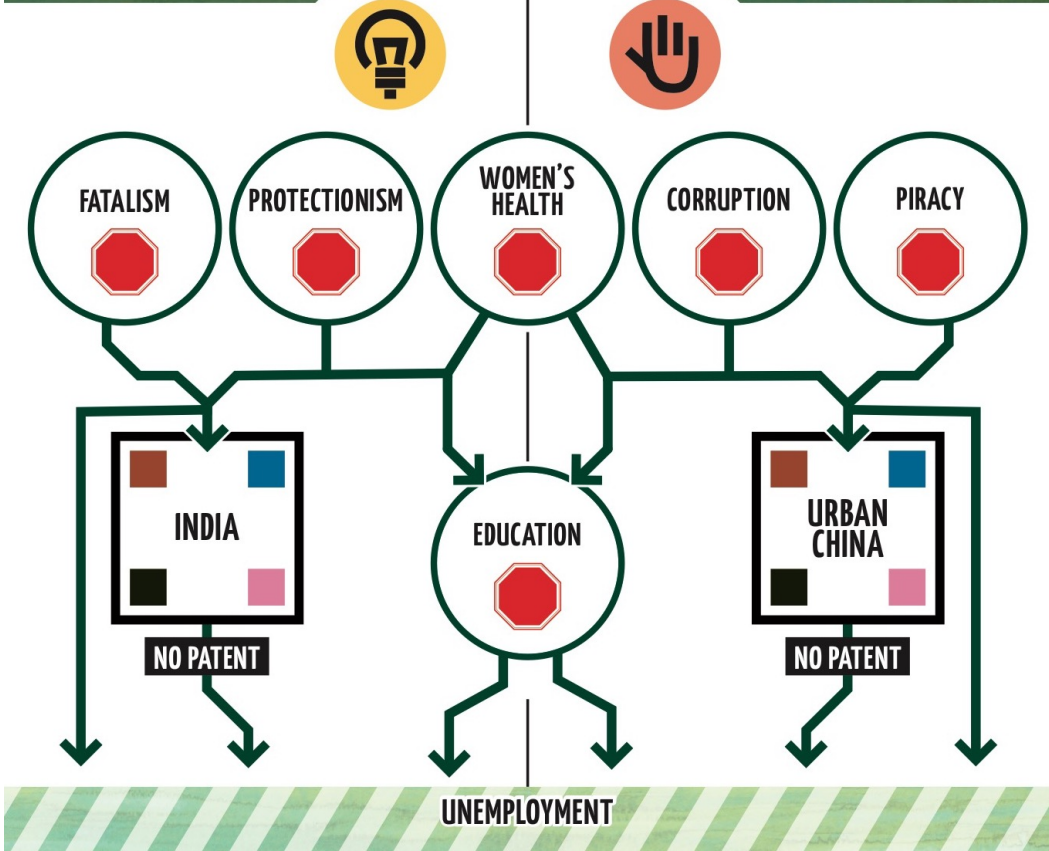
CLOUD

SECURITY PRIVACY



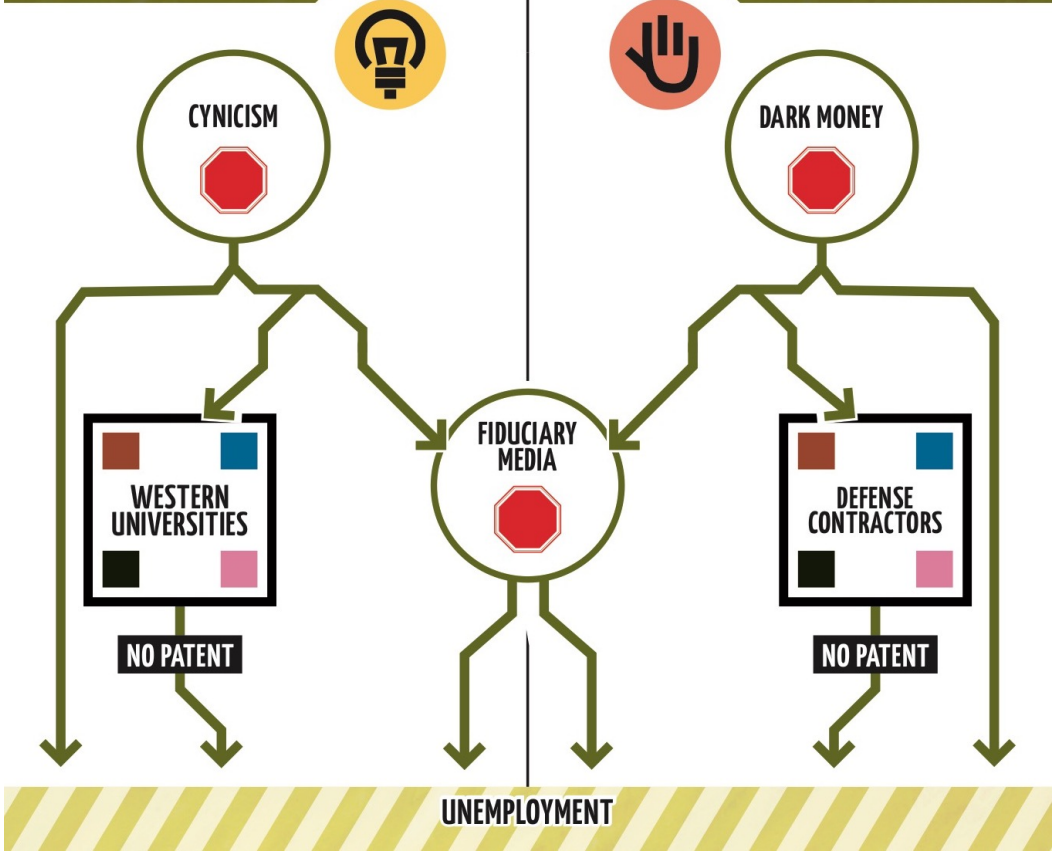
DEVELOPING WORLD

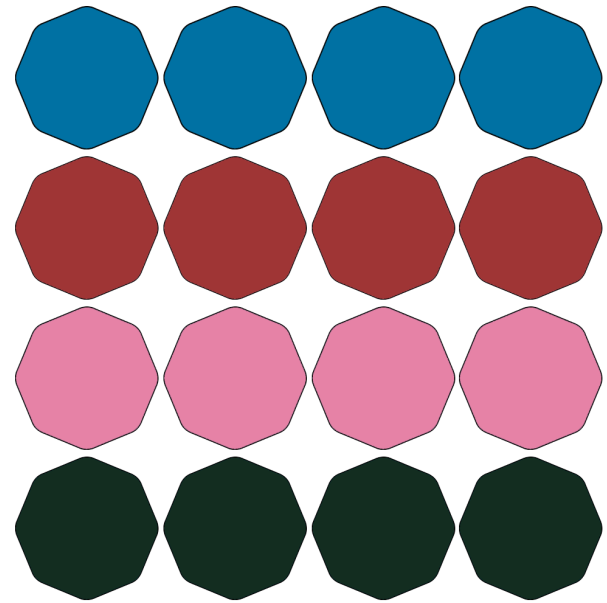
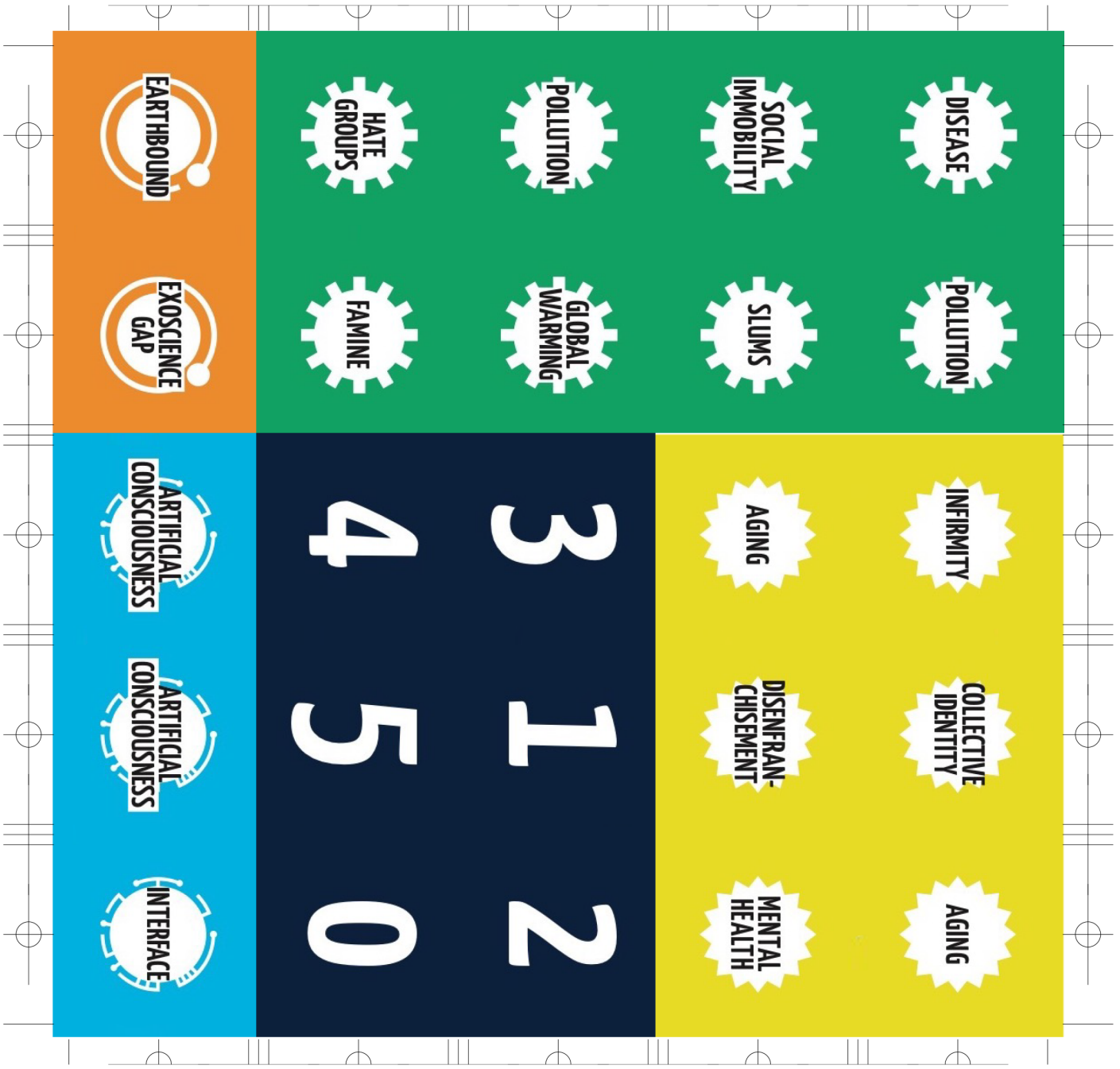
FREEDOM PRODUCTIVITY



FIRST WORLD

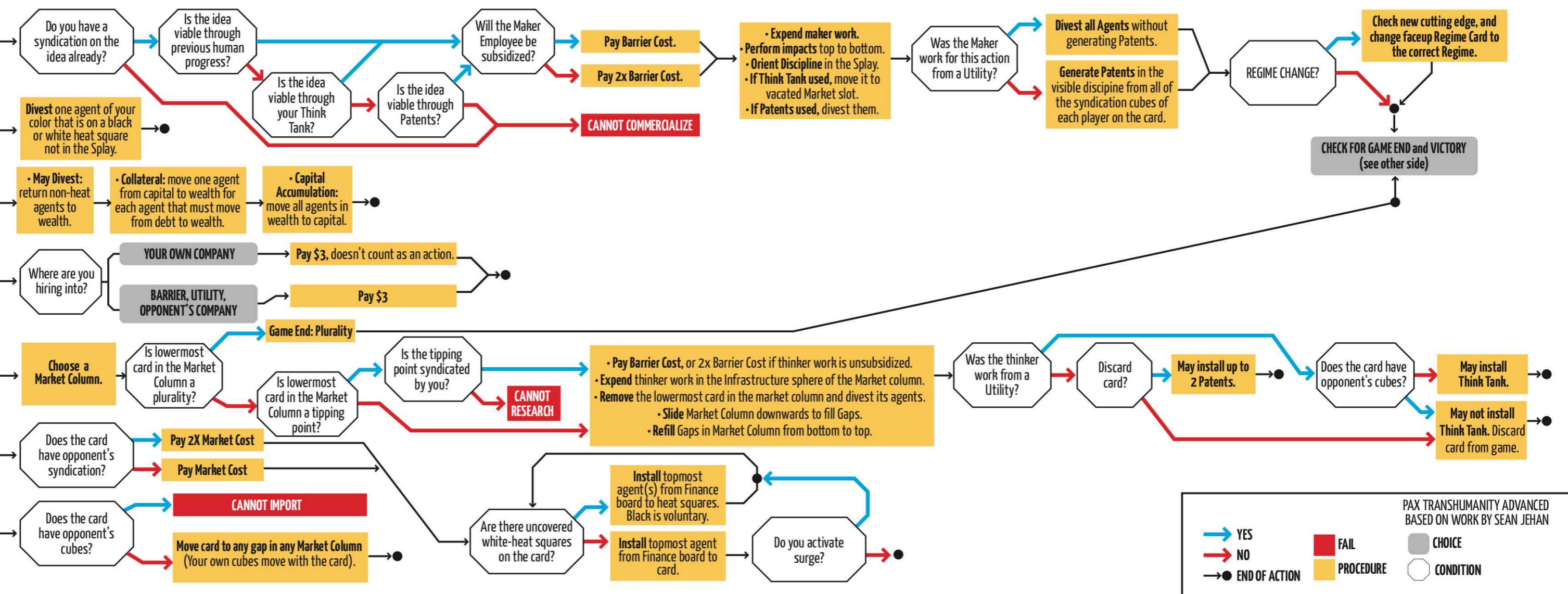
PHILOSOPHY ENTREPRENEURSHIP





TWO ACTIONS PER TURN

- COMMERCIALIZE** (busy, costly)
Generates Patents and Impacts (e.g. growth or startup companies) from an Idea added to the splay, but loses syndication and abilities of that Idea.
- PLACATE HEAT**
Restores an agent sequestered in a heat square to your finances.
- FUNDRAISE**
Improves finances.
- HIRE** (costly)
Obtains a new Employee of your color either from Unemployment from that Sphere, or by Installation from your finance board.
- RESEARCH** (busy, costly)
Discards the lowermost Idea in a column, gains a Think Tank or new Patents, then refills that market column.
- SYNDICATE** (costly)
Invests in an Idea in the Market (For its abilities, commercialization potential, or to block an opponent).
- IMPORT**
Moves an Idea from any market column to a gap in any market column.



PAX TRANSHUMANITY ADVANCED
BASED ON WORK BY SEAN JEHAN

- YES
- NO
- END OF ACTION
- FAIL
- PROCEDURE
- CHOICE
- CONDITION

ROSETTA STONE



Barrier. The number of Barriers in a Sphere not covered by a cube or disk token adds to the Barrier Costs within that Sphere.



Black-Heat Square is where you may place a heat cube upon syndication.



MINIATURIZATION!

Brash Startup Impact places a company disk as per a normal company startup, but if placed on its named barrier discards the company already there, if any.



Cloud (blue) is the Sphere (market card column) associated with the computing discipline.



Company Startup Impact places a company disk in the Sphere indicated on the appropriate side (thinker or maker).



Defusal Growth Impact takes a new Agent from the pool, and places it on any uncovered black-heat square in the Market or the Splay.



Developing World (green) is the Sphere (market card column) associated with the group dynamics discipline.



Exoglobal Recession Impact only occurs if this card is commercialized without Heat on its black-heat square. If so, each player must discard an Employee to the pool.



First World (gold) is the Sphere (market card column) associated with the transbiology discipline.



Game End Impact ends the game immediately with final scoring.



Growth Impact takes a new Agent from the pool and places it into your wealth.



Industry Disruption Impact. After choosing the visible discipline, divest all patents of that discipline, then discard one splay card of that discipline.



Maker Icon indicates the right half of the infrastructure must be used to place companies or produce work.



Nuclear Exchange Impact forces all players to discard a number of Problems or Companies in the indicated Sphere according to the number of black-heat squares visible in the Splay. Effects are reduced by shielding.



Social Resilience Impact allows you to divest one Heat or Future Shock, either yours or an opponent's.



Solution Impact allows you to claim a matching named chit from the pool of unclaimed chits.



Space (orange) is the Sphere (market card column) associated with the assembly discipline.



Surge allows you, upon syndication, one free syndication placed on any card containing the surge color above the surging card in the column.



Thinker Icon indicates the left half of the infrastructure must be used to place companies or produce work.



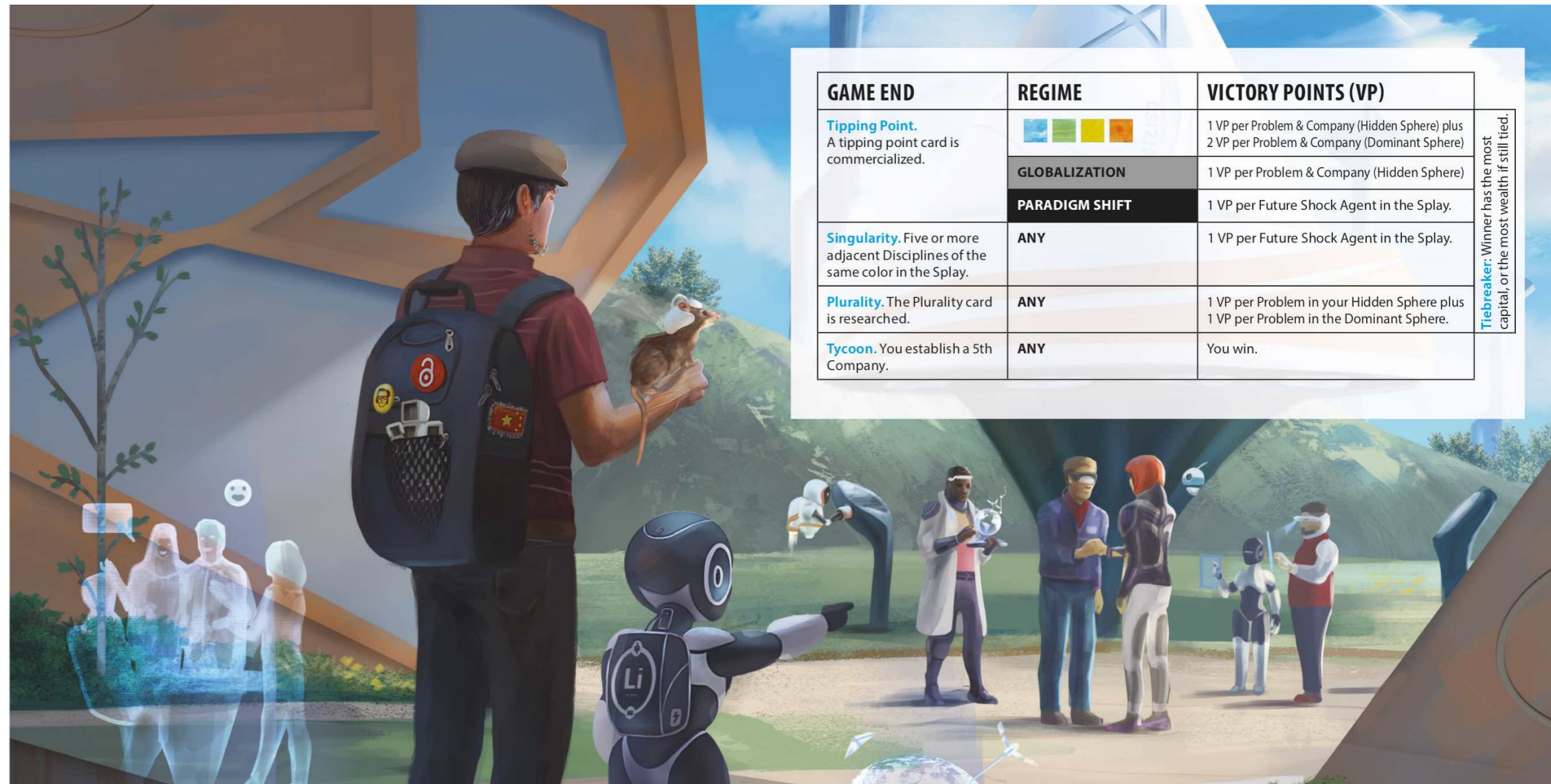
Utility is where each player can store an Employee to do subsidized work but without claiming Patents.



White-Heat Square is where you must place a heat cube upon syndication.



Wild Problem Impact is a solution in which you can select any unclaimed problem chit.



GAME END	REGIME	VICTORY POINTS (VP)
Tipping Point. A tipping point card is commercialized.		1 VP per Problem & Company (Hidden Sphere) plus 2 VP per Problem & Company (Dominant Sphere)
	GLOBALIZATION	1 VP per Problem & Company (Hidden Sphere)
Singularity. Five or more adjacent Disciplines of the same color in the Splay.	PARADIGM SHIFT	1 VP per Future Shock Agent in the Splay.
	ANY	1 VP per Future Shock Agent in the Splay.
Plurality. The Plurality card is researched.	ANY	1 VP per Problem in your Hidden Sphere plus 1 VP per Problem in the Dominant Sphere.
Tycoon. You establish a 5th Company.	ANY	You win.

Tiebreaker: Winner has the most capital, or the most wealth if still tied.