

```
public void iterate(){
    byte[] prev = new byte[size];
    System.arraycopy(data, 0, prev, 0, size);

    byte[] next = new byte[size];

    for ( int i = 0; i < width; i++ ){
        for ( int j = 0; j < height; j++ ){
            int type = isAlive(i, j, prev);

            if ( type > 0 ){
                next[j * width + i] = 1;
            }else{
                next[j * width + i] = 0;
            }
        }
    }

    System.arraycopy(next, 0, data, 0, size);
}
```



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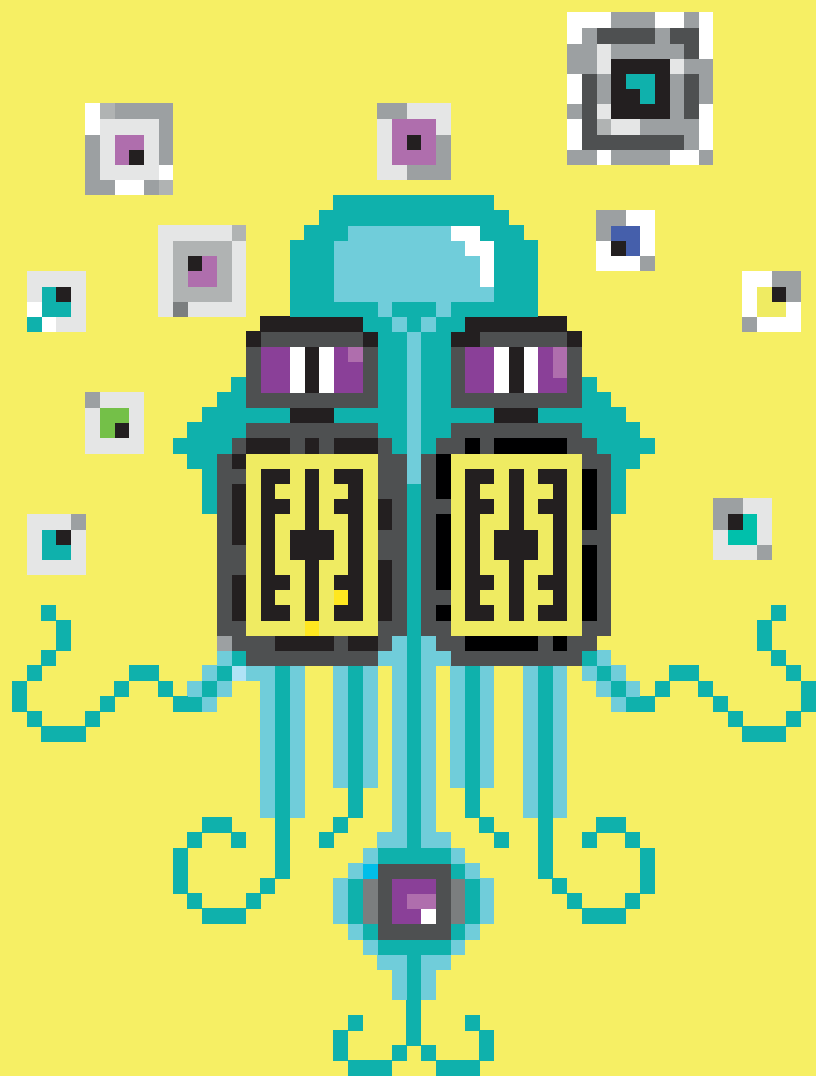
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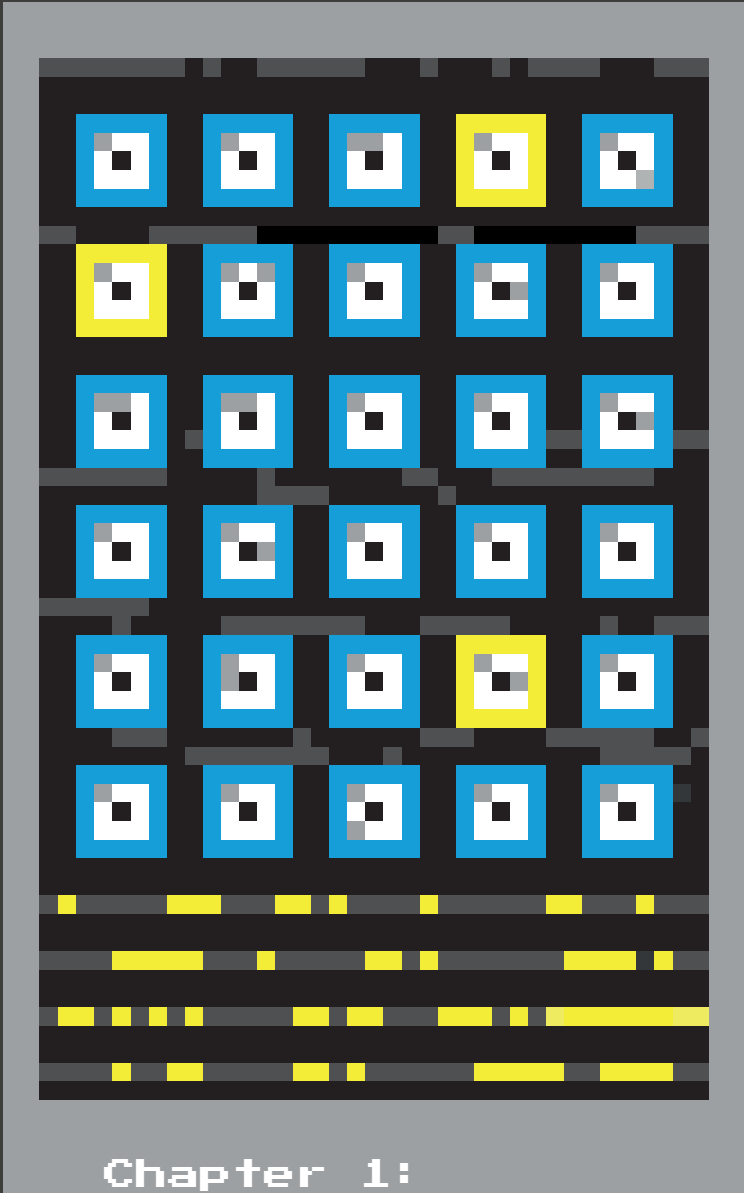
For all sentient beings
in all the worlds_

PRESS START



At the ground of our reality there is a code running. It is a code from which this universe and countless others emerge and unfold with infinite variety of form. You emerged from this code, and within this code you are embedded, for you are built from this code.

It is their code_




“The main thing to understand is that we are imprisoned in some kind of work of art.”

Terence McKenna

We are a species that huddles around wood fires and speaks to machines in code. Both human and humanoid, seemingly alone in our corner of the Universe, we have begun to resemble the alien societies of our imagination: Computerised machinery crystallises from the nexus of modern human civilisations, the cityscapes exuding blinking and glistening structures that appear inexorably disjoint from the natural world of forests, mountains, and rivers. Our digital world somehow feels alien, as if implanted by an intelligence from the stars. We are a species that sits uneasily at the edge of the galaxy, at once clutching tight to the breast of sweet Mother Earth and, at the same time, reaching with a trembling hand towards shimmering metallic discs humming quietly in the dusk sky.

As life emerges on Earth-like planets across the Universe, the evolutionary trajectory from prebiotic soup to wet-brained intelligent beings with galactic aspirations is meandering but, ultimately, predictable. Our Universe is a resplendent twinkling digital machine for culturing conscious intelligences or, in the words of Henri Bergson, for *making gods*. As such, all beings that reach a certain level of advancement must eventually confront the fact that their own dusty planet is but one amongst countless others that multitudinous intelligent beings call home. Since the earliest days of civilisation, humans have gazed into the inky night sky punctured by the flickering lights of numberless alien suns and wondered who might be out there. Whilst the ancients placed the thrones of their myriad gods amongst the constellations, modern man replaces the deity with the alien, the throne with the spaceship. And it is the alien that we seek: interplanetary vehicles and unmanned probes catapulted from intermediary orbits are the toys of a young intelligent civilisation with an eye towards galactic citizenship. So, as we transform into the alien, we begin to feel ourselves being drawn ineluctably towards the stars.

So we speak to the alien, and we speak in code_



The exponentially unfolding transformation of humankind in the last century is a transformation written in code. Fundamentally, a code is a set of symbols and rules used to represent and transmit information. All creatures with some level of intelligence eventually discover techniques for the encoding of information. All of our ape relatives, from the macaque to the chimpanzee, as well as lower animals, such as birds and insects, use codes of varying complexity to communicate. Whether it's the diverse warning calls of a vervet monkey or the intricate pattern of chemical signals secreted by social insects, these codes are unified as means of representing and transmitting information. However, in the form of the natural languages, it is humans that have developed the most sophisticated and flexible expression of code, allowing us not only to communicate information important to our survival, but also to encode and transmit our thoughts, our ideas, our experiences, our dreams. Further, although the development of the natural languages was undoubtedly catalytic in the original separation of humans from other Earthly species, it is the constructed languages of mathematics and, most recently, of computer code, that have been transcendentally transformative, rendering us all but unrecognisable as creatures of the natural world. A digital lycanthropy mounted on silicon and light, the transformation nears completion, as we re-encode our world, our bodies, our minds into binary form and upload them to the central processing units of ever more sophisticated computer motherboards.

Machine code binary is the one of most fundamental, and simplest, of codes and, yet, from this string of ones and zeros the most exquisitely complex information can be constructed and transmitted. Entire worlds may be built, and their encoding fired across the Universe with ease. Communication between humans and distant alien species doesn't depend upon interstellar travel, but only on the transmission of code. And, as we direct our pulses of electromagnetic radiation into the glistening night sky, we hope that one day, perhaps many millennia in the future, the messages encoded in these pulses will reach the brain of an alien intelligence. We hope that one day they will hear us and, perhaps, answer us. Of course, a binary missive from an intergalactic civilisation 25,000 years in the future is little more than a dream, and few engaged in such an enterprise expect to ever have to confront the alien towards which they cast their coded messages in light.

But the code is truly transformative, not because it facilitates intergalactic communication, but because it reveals a deeper secret. We seek the alien by turning our gaze upwards, by tuning our instruments to the trembling glows that pepper the dark Universe that surrounds us. But the alien intelligences we seek to communicate with are not only scattered throughout the cosmos on warm and wet worlds reassuringly far from our own muddy home, but

right here,

right now.

And they are waiting.

Speaking with, even meeting with, these intelligences depends not upon firing code into the starry heavens, nor upon silvery supra-light-speed discs and anti-gravity propulsion technologies, but only upon returning our gaze inwards and realising that all of this is built from code.

Our cities of lights buzzing on digital code are not an affront to the natural world, but a profoundly deep expression of it.

Just as everything that appears on your computer screen emerges from the processing of binary code, so everything in this universe emerges from the Code at the ground of our reality. And all that separates each of us from a vast ecology of hyperdimensional alien intelligences of unimaginable and unreckonable power is a switch embedded in this code. This switch takes the form of a small molecule scattered throughout our world, derived from one of the 21 amino acids used to build the proteins from which all Earthly life is constructed.

Galactic citizenship is a noble ambition,

but interdimensional citizenship is as close at hand.

N,N-dimethyltryptamine (DMT) belongs to a class of naturally-occurring molecules known as *tryptamines*, derived from the amino acid *tryptophan*. This class of molecules also contains some of the most well-known psychedelic drugs, including *psilocybin* – the active component of ‘magic mushrooms’ – and *LSD* (*lysergic acid diethylamide*), a semi-synthetic drug derived from the rye-infecting *ergot* fungus. Almost all organisms contain the machinery required to build DMT and, since all organisms are constructed from proteins, the amino acid starting material is in abundant supply.

The synthesis of DMT from tryptophan is straightforward – requiring only two enzymes – and, as such, the molecule is widespread throughout the natural world. In fact, it would probably be quicker to list those plant species that don’t contain DMT than those that do.

As ethnobotanist Dennis McKenna likes to say:

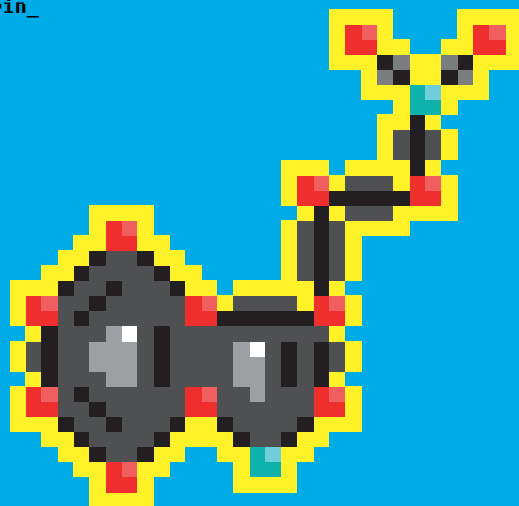
nature is drenched in DMT.

The chemical simplicity and ubiquity of DMT render the sheer absolute undeniability of the bizarre realities to which it gates access even more horrifying and confounding. Irreversibly, and with a ferocious efficiency, DMT shatters the comfortable illusion that our little 3-dimensional Universe is anything but a sliver of an unimaginably vast and complex hyperdimensional system. DMT is the key to confronting the true digital structure of this system, and a technology for communicating with the countless awaiting intelligences that permeate its miraculous domain.

As Dennis McKenna’s brother, Terence, was so keen to point out:

DMT is not a secret, it is THE secret.

N,N-dimethyltryptamine (DMT) is a molecule found in countless plant and animal species across Earth, including humans. It is also a technology for facilitating the almost instantaneous transport to an orthogonal hyperdimensional omniverse and communication with the living, conscious, and intelligent beings therein_



Our reality emerges from a code programmed by an alien hyperintelligence beyond the confines of our 3-dimensional Universe. For want of a better term, we will refer to this intelligence – the author of the Code – as *the Other*. DMT is a technology that gates access to the orthogonal dimensions of a reality beyond which this intelligence resides, and the necessary tool for resolution of the Game. I will explain in detail the nature of the Game later in the book. Briefly, we have emerged within a lower-dimensional digital structure reversibly isolated from a higher-dimensional system. Within this low-dimensional reality we will remain embedded, until we learn to use the technology for permanent transcription and transference of our conscious intelligence into this higher-dimensional container reality. This is the Game, the six levels of which can be enumerated as follows:

[Level I]	Information
[Level II]	Emergence
[Level III]	Transmission
[Level IV]	Immersion
[Level V]	Realisation
[Level VI]	Resolution

Before we can consider the Game in detail, we need first to discuss the structure of our reality emergent from a fundamental code, its purpose as the machine for generating intelligences such as ourselves, and the role DMT plays in all of this.

In the early chapters, we will discuss how our reality, including our Universe and each of us, is constructed from digital information instantiated by a code. We will explore how this fundamental information self-organises and complexifies to generate the myriad forms of life and other complex emergent structures in our Universe. We will use a type of computer program – known as a *cellular automaton* – to explain how our reality is built from information and the manner in which this information self-organises and complexifies.

We will then turn our attention to the world built by your brain – also from information – which is the subjective phenomenal world you live within throughout your life. We will discuss how this private world is constructed and how it relates to the world outside your brain.

We will then be well-equipped to begin thinking about the mechanism by which certain molecules, including psychedelics such as LSD and DMT, can modulate the information generated by your brain and so change your phenomenal world. At this point, we will move beyond the mundanities of the consensus world, beyond the confines of our 3-dimensional universe, and plunge into the bizarre higher-dimensional realms known as *hyperspace*: the DMT worlds. It is within these worlds that we find the secret to the Code, the secret to our existence and emergence in this reality. We will begin with an introduction to the structure of these worlds and their inhabitants: where you go when you smoke or inject DMT and who you might meet there.

Having surveyed the territory, we'll be ready to think about the structure of hyperspace in more detail, relating its construction to that of our lower-dimensional universe. This will allow us to explore in great detail how DMT gates access to the normally hidden orthogonal dimensions of reality, how DMT switches the reality channel and unleashes the full hyperdimensional potential of the brain.

Finally, we will discuss how the DMT technology is to be employed in pursuit of the highest achievement of any conscious species: interdimensional citizenship and resolution of the Game.

It is hoped that, after reading this book, you will come to a deeper understanding of the nature of reality and your place within it. However, true experiential insight cannot be obtained from a book alone.

If you want a tiger's cub, you must go into the tiger's cave.

The Palace of the Unseen awaits, one
toke
away_