33. THE TRANSITION TO THE HIGHER COMPLEXITY LEVELS KEEPING THE COHERENCE OF THE ASSEMBLY

COMPLEX PACKAGING WHICH GENERATES PHYSICAL PHENOMENOS RELATED TO THE SEMANTICS OF EVOLUTION

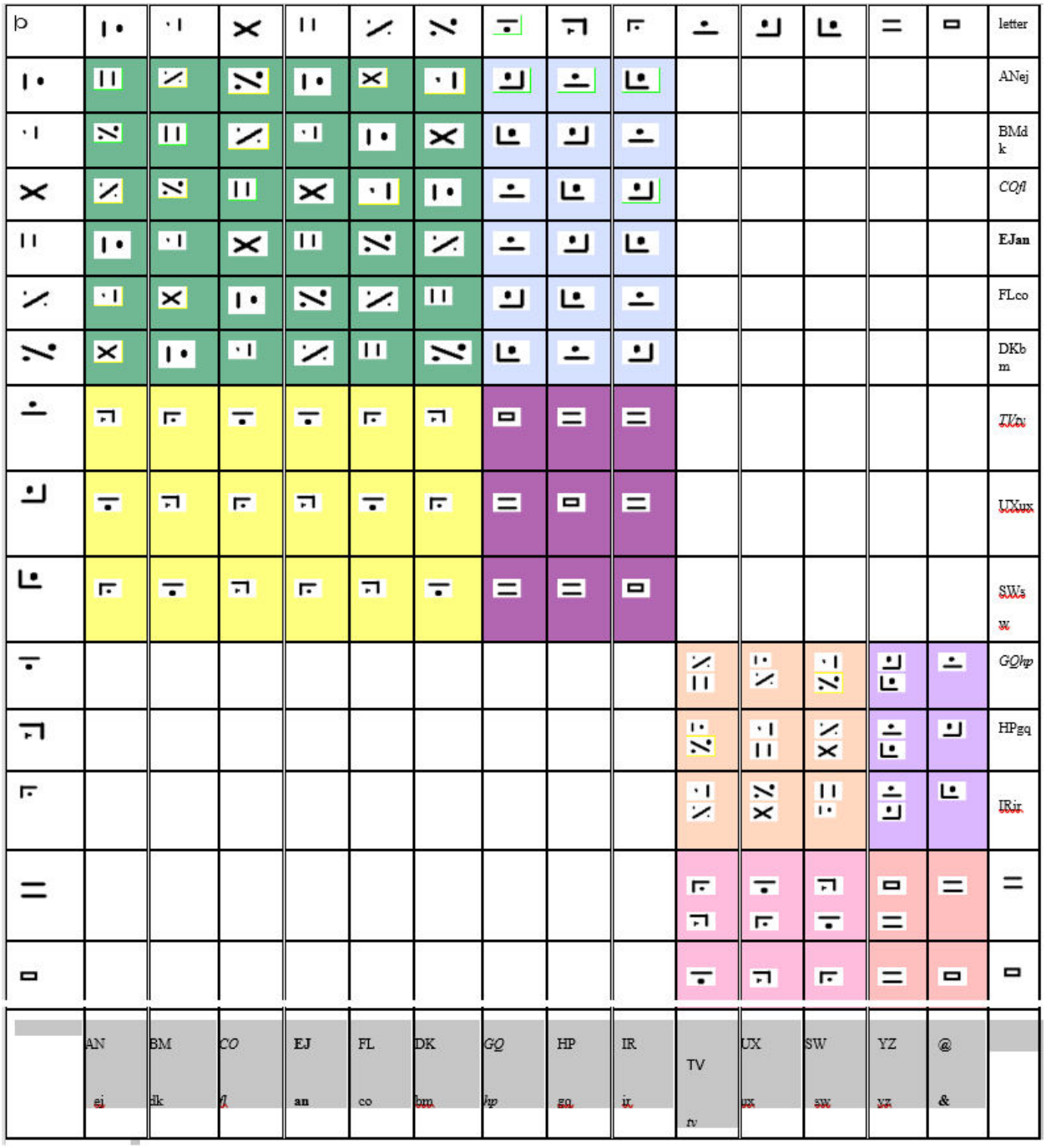
In step 3 it is necessary to completely arrange the table of colored fields, and to fix the coherence of the subfields.

These colored fields are generated by the fourth generation of 1st degree feedback structures, starting from subletters characterized by arcs and orientations, leading to the second generation to letters characterized by the same types of arcs but with different orientations, which form subletters packages.The third generation leads to packages characterized by the arrangement of the packages of the second generation in packages of 4 letters with each arranged so as to describe the same pattern of geometric representation of the same or different letters on the first two columns from left to right of the feedbacks. These two columns are generated by the automorphisms f2, f3 and f6. The last column is generated by f4 and f5 in the particular initial example, which can be

later generalized and universalized. The fourth generation is given by the supratypes of language packs that generate packets that generate the colored fields below:

Higher complexity levels can be addressed through semantic interpretations correlated with changing instrumentation objects on the same operating schemes.

The color field table becomes relevant in understanding the development and generation of the universe, from the embryogenesis of the living to the embryogenesis of the cognitive universe. For this, a



conceptual design of the following type is required, in which the original symbols A, B, C D have been changed with the following:

§ = ANej; BMdk; COfl; EJan; FLco; DKbm , £ = GQhp; HPgq; IRir , β = TVtv; UXux; SWsw , ¥ = =; ▭

Considering § as being related to fracturing and developing the generations of matter; £ as the father of his generators §; β as the mother of his generators §; and ¥ as being the complex of dynamics and evolution, we can analyze the general process as follows:

-the time given by chronos (t time of movement =) and Cheiros (the time of evolution) ▭) fractalizes and generates itself, only in the particular case of the time of movement that is itself composed generates both the time of motion and the time of evolution. This characteristic corresponds to nonlinear phenomena (the green colored field).

-father £ operated over the mother β generates the double sets that will participate in the green field that creates the fractalization and generations of the matter (the green colored field)

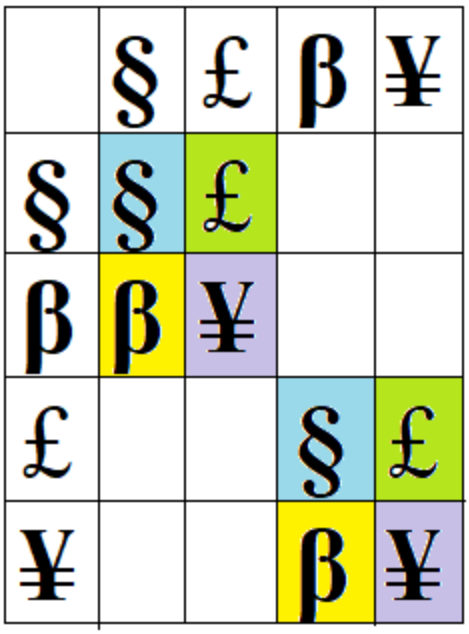
-mother β operated over the father £ generates the simple local time, manifested in several perspectives (the dark purple field)

-time ¥ operated over mother generates father £ (the light purple field)

-time £ operated over time generates mother β (the dark blue field)

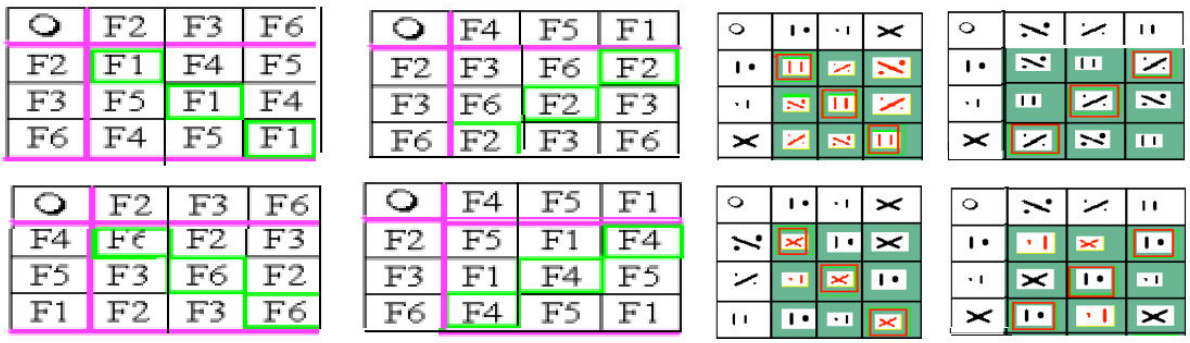
-mother β operated over the matter generators § it generates father (yellow field)

- the matter generators § operated over father generates mother β (the light blue field)



We can see that the pattern of the two squares is identical, but the bottom left square describes a field with two options at each position that characterize a universe looking for its manifestation laws (the big bang), while the upper left square describes a universe that has evolved towards predictable structures with better established laws.

If we try to recover the information from the previous levels we notice the tendency to find the old functionalities in new formulas of expression and optimization of the processes. Basically the history of the process is preserved in details. This property shows another feature of the universe that can be revealed by algebraic fractals; THE UNIVERSE PRESERVES THE STRUCTURED MEMORY when evolving on other levels of complexity.



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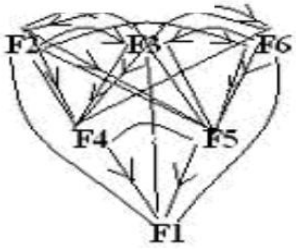

F1(X)=X
F2(X)=1-X
F3(X)=1/X
F4(X)=1-1/X
F5(X)=1/1-X
F6(X)=X/1-X

The structural isomorphism theorem allows us to return to the fundamental feedback characteristic of our universe to which we belong, and to recover the basic semantic values.

To a large extent, this return allows us to correct our deviations and unsuccessful attempts and ensures our further evolution or disappearance.

Moving to other levels of complexity of feedback ensures the first correlations that are the basis of the coherent future evolution of the universe and the multiverse.