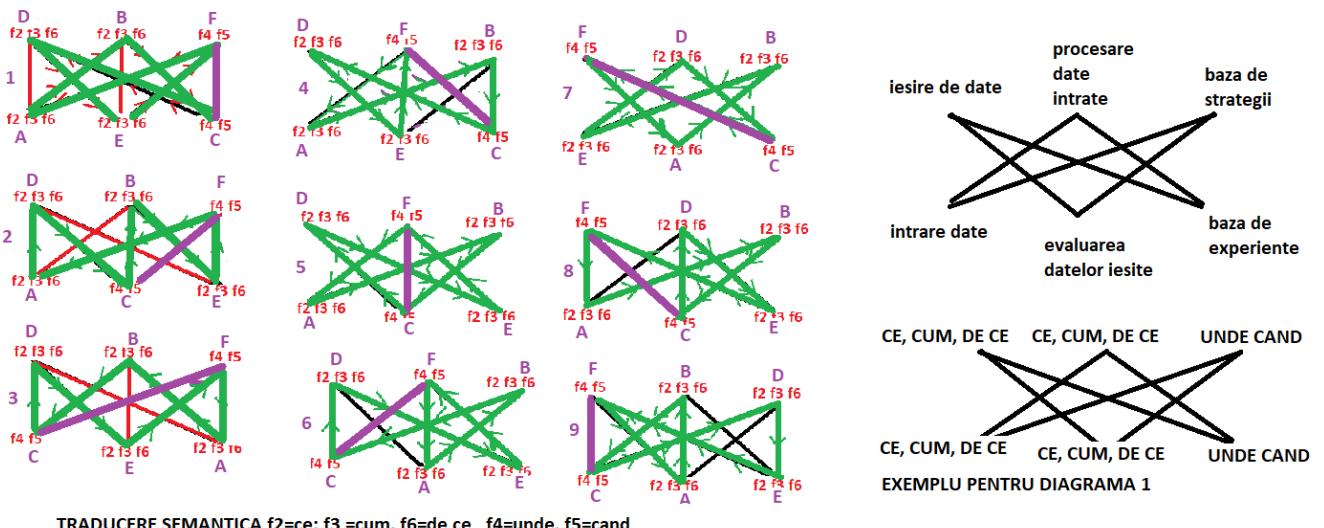


48. THE SENSES OF THE VECTORS OUTSIDE THE MULTICURSAL DIAGRAM

One of the questions related to the unicursal diagrams that are valid at the level of the simple feedbacks but also of the larger information structures, refers to the meanings of the vertical or oblique vectors that do not belong to these diagrams / If we have the arcs with orientations that are valid for the 1st degree feedback the on the horizontal, vertical or between the elements of the upper line and the elements of the lower line, the situation is different.

When we work with the structure of multiverses, the feedbacks are no longer among the functions that describe the automorphisms of the projective line. Here we have information tolerance or intolerance even at the level of feedback on multicursal diagrams (drawn in green) there are informational contradictions and opposite meanings. This shows the limits of understanding between two universes in the multiverse, between two species or communities, depending on the initial points of view and what kind of key questions will be put on the key positions of the feedbacks that are fixed, namely data entry, processing data input, experience base, data output, response evaluation and strategy base.



The space-time dimension is drawn with purple, and the unicursal diagrams specific to the different situations are drawn with green. The positions on the general structure of the feedback are permanently the same. From this overlap of functionalities one can deduce the possibilities of communication with other species. These are related to the tradition of interpretation that depends on the ecological role, on the way of traveling of the information cycle that depends on the form and the meanings of the unicursal diagrams, also on the point of view in the context of communication.

The unicursal diagrams are the basis of the multiverse approaches. The replacement of projective automorphisms written in semantic form with universes is done on the same scheme. This is a property of structural isomorphism specific to algebraic fractals. Interesting is that algebraic fractals fully respect the principles of Barbara Liskov stated for computer programming

https://en.wikipedia.org/wiki/Liskov_substitution_principle. In other words, the information space described by algebraic fractals, the fractal varieties, the lattice automatas and the coherent space of the information is absolutely consistent and non-contradictory. When you study in detail the reality using these theoretical tools it is impossible not to ask yourself "WHO IS THE PROGRAMMER?"

The future of planet Earth and humanity in these conditions depends on us, how much we will understand and apply, why we will make decisions, how intelligent, human, wise we will be, how complex and appropriate the logics we will use will be,

We have a finite life and an informational energy that depends on our power of empathy, understanding of reality, inner peace, cooperation and minimal intervention that does not disturb the existing balances and other parameters. All these parameters are within our reach if we evolve spiritually and intellectually.