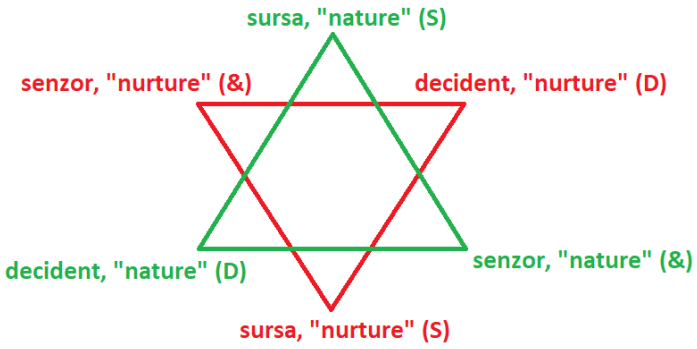
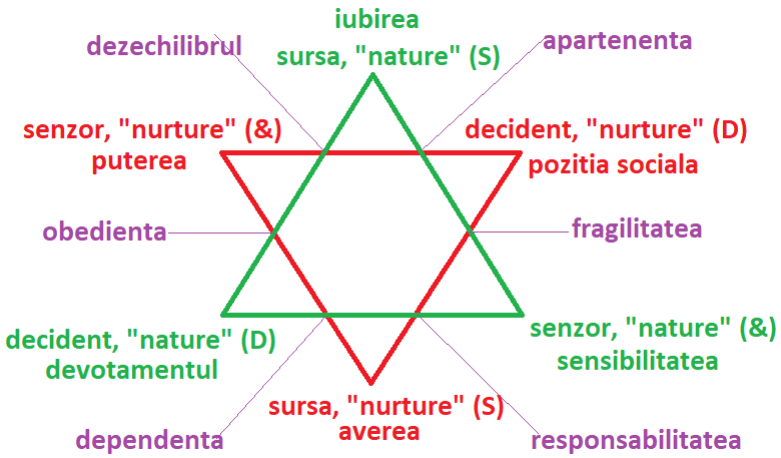
50.SEMANTICS OF NODES

The nodes of the hexagonal networks have different semantics on different networks (layers). Although in the first phase the characteristics of the informational nodes will be: "source", "sensor", "decisive" on the two opposite triangles of the hexagonal structure, later due to the "nature" and "nurture" type representation of the two triangles will appear major functional differentiations .



The differentiations will become definitive from the moment we put semantic content to the nodes, as well as the nodes generated by them.

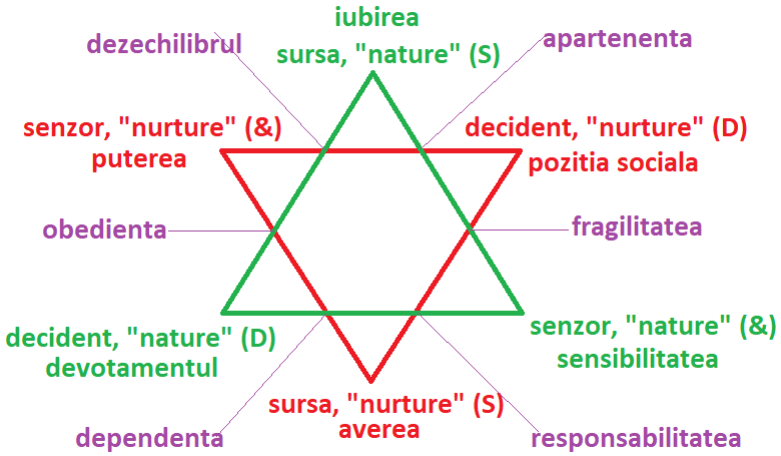


In this case, semantic structures are generated with the property that "the semantic contents on the two ends of a triangle formed by the lines in the scheme, generate the third semantic content of the third tip of

the triangle. The following examples are edifying:Love and devotion generate sensitivity; also sensitivity and love generate devotion; love and devotion generate sensitivity. This is the property of **consistency.**

The property is also preserved in the case of small triangles derived from large ones, if both large triangles are semantically **consistent**.

An example in this direction is the following:



We take the triangle "obedience", "imbalance" and "power". Consistency is translated by: "obedience and imbalance generate power", "power and obedience generate imbalance", and "power and imbalance generate obedience".

Consistency is the semantic property that generates coherence of **coherent information space**. The trivalent logic that we instinctively use in our thinking occurs automatically when the bivalent, polar logic in which the thinking becomes linear and dichotomous is overcome.

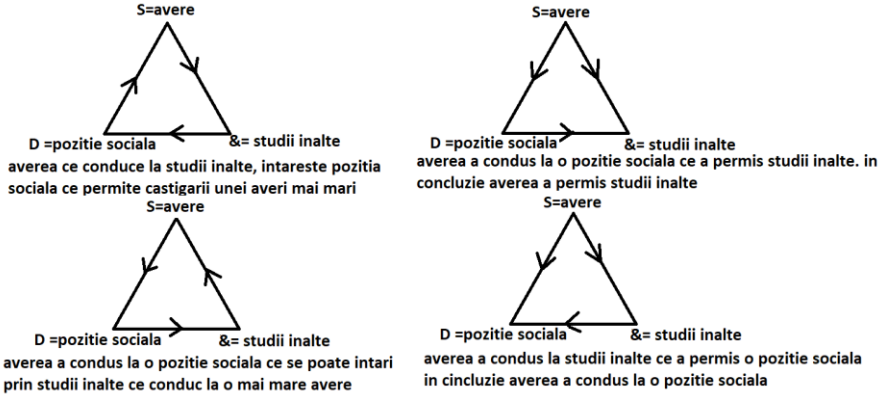
An obvious consequence of using the two types of logic is given by the results of their application. If the bivalent logic becomes instinctively cumulative, and leads to the current imbalances of the natural environment and to the crises we are experiencing, the trivalent logic becomes correlative and wise, trying to rectify the tense situations that become evident due to the generation model.

The introduction of vector senses adds other features to node semantics. The senses of the vectors define the meanings, the behaviors

of the cycles and the commutative diagrams obtained and allow the detailed analysis of the change needs necessary to obtain sustainable or metabolic behaviors that can maintain the balances in a world full of chaos.

An example of semantic meanings analysis is given below. We observe four different scenarios described using the vector senses and node contents.

The semantic refinement of messages is natural in human logic, when using trivalent logic and derivative lgics tetravalent, pentavalent, hexavalent, septavalent.



Refining the analysis of the senses and circuits in the semantic space allows the creation of sufficiently refined databases to help decipher the written or spoken messages, at the level of significance, up to the level of intention or hidden message.