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Decimal equivalents for 3-contextural sign classes

Und ich sag zu Wind und Wolken: Nehmt mich mit – ich tausche gerne.

Freddy Quinn, Unter fremden Sternen 1960

Unlike a quantitative number, a qualitative number consists only in contextur 1 of one number. Already in C = 2, we have 2 qualitative numbers (00, 01), according to the two values of Aristotelian logic. Up to here, all three number structures (proto-, deutero- and trito-structure) are still the same. This changes from C = 3. Here, we have for proto- and deutero-structure 3 and for trito-structure 5 qualitative numbers. In C = 4, there are already 4, 5, and 15, and in C = 5, there are 5, 7, and 126 qualitative numbers. The idea that one Peanonumber corresponds to more than one qualitative number is based on the Korzybski-principle of multi-ordinality, i.e. there are choices, but the characters of the choices and their number is strictly determined. Mathematics of the qualities is a system of living organisms and not of dead machines.

We will now look how they 9 sub-signs of the 3-contextural 3×3-matrix

$$\begin{pmatrix}
1.1_{1,3} & 1.2_1 & 1.3_3 \\
2.1_1 & 2.2_{1,2} & 2.3_2 \\
3.1_3 & 3.2_2 & 3.3_{2,3}
\end{pmatrix}$$

are distributed over the 3 contextures of the qualitative numbers and their (decimal) Peano equivalents:

Proto	Deutero	T ri to Deci
0	0	(1.1), (1.2), (2.1), (2.2) 0 0 C1
00 01	00 01	(2.2), (2.3), (3.2), (3.3) 00 0 01 1 C2
000 001 012	000 001 012	(1.1), (1.3), (3.1), (3.3) 000 0 001 1 010 3 C3 011 4 012 5

In the following we can now determine the 10 sign classes and their dual reality thematics by establishing intervals of Peano numbers over the qualitative numbers which correspond to the sub-signs as in the above table.

Thus, the order of the intervals is.

$$\begin{array}{llll} (3.1_3\ 2.2_{1,2}\ 1.2_1) & \times & (2.1_1\ 2.2_{2,1}\ 1.3_3) & \to I = [[0,\,5],\,[0,\,1],\,[0]] \\ \\ (3.1_3\ 2.2_{1,2}\ 1.3_3) & \times & (3.1_3\ 2.2_{2,1}\ 1.3_3) & \to I = [[0,\,5],\,[0,\,1],\,[0,\,5]] \\ (3.1_3\ 2.3_2\ 1.3_3) & \times & (3.1_3\ 3.2_2\ 1.3_3) & \to I = [[0,\,5],\,[0,\,1],\,[0,\,5]] \\ (3.2_2\ 2.2_{1,2}\ 1.3_3) & \times & (3.1_3\ 2.2_{2,1}\ 2.3_2) & \to I = [[0,\,5],\,[0,\,1],\,[0,\,5]] \\ (3.2_2\ 2.3_2\ 1.3_3) & \times & (3.1_3\ 3.2_2\ 2.3_2) & \to I = [[0,\,5],\,[0,\,1],\,[0,\,5]] \\ (3.3_{2,3}\ 2.3_2\ 1.3_3) & \times & (3.1_3\ 3.2_2\ 3.3_{3,2}) & \to I = [[0,\,5],\,[0,\,1],\,[0,\,5]] \end{array}$$

Hence, one recognizes that the 10 sign classes are divided in 5 classes according to their intervals of Peano numbers which are equivalents to the qualitative numbers corresponding to their contextures.

Bibliography

Toth, Alfred, Connections of the 10 sign classes by contextural transgressions. In: Electronic Journal of Mathematical Semiotics, http://www.mathematical-semiotics/pdf/Conn by cont. transgr..pdf (2009)

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