Refutation of the CC conjecture of Lin Fan Mao

Abstract: The CC conjecture as defined by Lin Fan Mao is **not** tautologous and hence refuted.

We assume the method and apparatus of Meth8/VŁ4 with `T`autology as the designated *proof* value, **`F`** as contradiction, `N` as truthity (non-contingency), and `C` as falsity (contingency). Results are a 16-valued truth table in row-major and horizontal, or repeating fragments of 128-tables for more variables.

LET p, q, r, s: p, q, r, science *T*; ~ Not; + Or; - Not Or; & And; > Imply;
% possibility, for any one or some, ∃; # necessity, for every or all, ∀.
(p=p) `T` tautology; (p@p) **`F`** contradiction; (%p>#p) `N` truthity; (%p<#p) `C` falsity;

From: Mao, L.F. (2015). Mathematics after CC conjecture: combinatorial notions and achievements. vixra.org/pdf/1508.0244v1.pdf

Remark: In the paper title, the "CC" in "CC conjecture" is not defined as a two-letter acronym within the paper.

CC Conjecture ... : Any mathematical science can be reconstructed from or made by combinatorialization. (1.0)

We rewrite Eq.1.0 as:

"The combinatorial result of elements implies making any mathematical science that is invertible from its elements." (1.1)

(((p&q)&r)>%s)>(%s>((p&q)&r)) ; `NNNN NNNT` **`FFFF FFF`**`T` (1.2)

Remark: In Eq. 1.1 the antecedent is "The combinatorial result of elements implies making any mathematical science" as ((p&q)&r)>%s ;
`TTTT TTTC TTTT TTTT.` (1.3)

[I]t is a mathematical machinery of philosophical notion: *there always exist universal connection*[*s*] *between things T* with a disguise $G^L[T]$ on connections, which enables us converting a mathematical system with contradictions to a compatible one (2.0)

We rewrite Eq. 2.0 as:

"If [t]he combinatorial result of elements implies making any mathematical science that is invertible from its elements, then a disguise always exists to imply a contradictory mathematical science that is tautologous" (2.1)

((((p&q)&r)>%s)>(%s>((p&q)&r)))>#(~%s>(s>(p=p))) ;
`TTTT TTTN TTTT TTTN` (2.2)

Eqs. 1.2, 1.3, and 2.2 as rendered are *not* tautologous. This refutes the CC conjecture of Lin Fan Mao.