

## Corollary of peace to hydraulic forgiveness

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We assume the method and apparatus of Meth8/VL4 with  $\tau$ autology as the designated *proof* value,  $\mathbf{F}$  as contradiction,  $\mathbf{N}$  as truthity (non-contingency), and  $\mathbf{C}$  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  $p, q, r, s$ : God, forgiveness, another person, oneself;  
 $\sim$  Not; + Or; - Not Or; & And; > Imply, greater than; < Not Imply, less than;  
 = Equivalent; @ Not Equivalent;  
 % possibility, for one or some; # necessity, for all or every.

Hydraulic forgiveness is a theorem:

"If the necessity of forgiveness proceeds from God for the possibility of another person and oneself, then: if oneself, as possibly forgiven, duly forgives another person, then another person is necessarily forgiven, thus implying oneself is necessarily forgiven" (1.1)

$$(\#(p>q)\&\%(r\&s)) > (((s\&\%q)>r)>(r=\#q))>(s=\#q)) ; \quad \text{TTTT TTTT TTTT TTTT} \quad (1.2)$$

Hydraulic forgiveness implies a corollary we name peace:

Another person, as so forgiven, cannot hurt oneself, as so forgiven. (2.0)

We write this in two expressions, assuming forgiveness of both persons, and beginning with another person:

Neither another person greater than (implying) oneself nor another person less than (not implied by) oneself implies another person is equivalent to oneself. (2.1)

$$(((s\&q)>(r\&q))-((s\&q)<(r\&q)))>((s\&q)=(r\&q)) ; \quad \text{TTTT TTTT TTTT TTTT} \quad (2.2)$$

The theorem of hydraulic forgiveness with the corollary of peace is:

Eqs. 1.2 implying 2.2. (3.1)

$$(\#(p>q)\&\%(r\&s))>(((s\&\%q)>r)>(r=\#q))>(s=\#q)) > (((s\&q)>(r\&q))-((s\&q)<(r\&q)))>((s\&q)=(r\&q)) ; \quad \text{TTTT TTTT TTTT TTTT} \quad (3.2)$$

Eq. 3.2 is tautologous, confirming the theorem of hydraulic forgiveness and corollary of peace.