TheoryMine

CERTIFICATE OF REGISTRY

blahblll

Let

$$\begin{aligned} T_2 &= C_d(T_2, \mathbb{B}ool)|C_c(\mathbb{N}, \mathbb{N}) \\ T_4 &= C_h(T_4, \mathbb{B}ool)|C_g(\mathbb{B}ool, \mathbb{N}) \end{aligned}$$

$$f_{\gamma\emptyset} : T_2 \times T_4 \to T_2$$

$$\begin{aligned} f_{\gamma\emptyset}(C_c(x, y), z) &= C_c(x, y) \\ f_{\gamma\emptyset}(C_d(x, y), z) &= f_{\gamma\emptyset}(x, z) \end{aligned}$$

then

$$f_{\gamma\emptyset}(f_{\gamma\emptyset}(f_{\gamma\emptyset}(x, y), z), y) = f_{\gamma\emptyset}(x, z)$$

Proof outline: induction and rippling

THIS THEOREM HAS BEEN NAMED AND RECORDED IN THE THEORYMINE DATABASE

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