

TheoryMine

CERTIFICATE OF REGISTRY

Thanos's Theorem:

Let

$$T_2 = C_d(T_2, \text{Bool}) \mid C_c(\mathbb{N}, \mathbb{N})$$

$$T_3 = C_f(T_3, \mathbb{N}) \mid C_e(\text{Bool}, \mathbb{N})$$

$$f_{\gamma_l} : T_2 \times T_3 \rightarrow T_2$$

$$f_{\gamma_l}(C_c(x, y), z) = C_c(x, y)$$

$$f_{\gamma_l}(C_d(x, y), z) = C_d(f_{\gamma_l}(x, z), y)$$

then

$$f_{\gamma_l}(x, y) = x$$

Proof outline: induction and rippling



THIS THEOREM HAS BEEN NAMED AND RECORDED
IN THE THEORYMINE DATABASE

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