

Computable ordinals

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9:15 PM

$F(n, k) =$ computer machine n on k .

n is an ordinal if

$$F(n, k_1)$$

$$F(F(n, k_1), k_2)$$

$$F(F(F(n, k_1), k_2), k_3)$$

⋮

gets to 0 after
a finite # of steps.