

Challenge

Spare Time Teaching

June 2, 2014

Problem

Write a term in lambda calculus which can divide 2 church numerals, without using a fixpoint (Y) combinator.

Example

```
T ≡ λ t f. t
F ≡ λ t f. f

0 ≡ λ s z. z
1 ≡ λ s z. s z
2 ≡ λ s z. s (s z)

is_zero? ≡ λ x. x (λ α. F) T
```