

2013W1-lecture25

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Contents

1	Question of the Day	1
2	Logistics	2
2.1	Final Project: Proposal due Friday	2
3	Continuing with the lambda calculus	2

1 Question of the Day

The “fixpoint” of a function is an argument for which the function’s result is identical to the argument.

In other words: $Fix(f) = a$ such that $f(a) = a$.

What are the fixpoints of these functions:

1. $f(x) = x$
2. $f(x) = x^2$
3. $f(g) = h$ such that:
 - $h(x) = g(x) + 1$ if x is odd
 - $h(x) = g(x)$ if x is even
4. $f(g) = h$ such that $h(x) = g(x) + 1$

2 Logistics

2.1 Final Project: Proposal due Friday

Communicate with your facilitator! ATTEND YOUR TUTORIAL!

3 Continuing with the lambda calculus