

Problem Sheet 4.2: Reduction Strategies

Normal-order reduction vs applicative-order reduction.

Reduce the term:

$$(\lambda f x. f \ f \ x)(\lambda a. ((\lambda x. x)((\lambda y. y)((\lambda z. z)a))))$$

to normal form:

- a) using the normal-order reduction strategy.
- b) using the applicative-order reduction strategy.