

Homework assignment

CMSC 15300

Due: March 31, 2004

1. Give a lambda-calculus term that has no normal form (*i.e.*, does not reduce to an irreducible form).
Hint: find a term that reduces to itself.
2. Use the result of Exercise 1 to design a lambda-calculus term that has both
 - (a) a normal form, and
 - (b) an infinite reduction sequence.