

CL Exercises

Homework due on 15th November 2011

Deadline 6th December 2011

A. β -reduction and normal form

1. Give the deductions of the following combinatory expressions and find its normal form.

Please precise the applied Intro. and Elim. rules of combinators.

S(BBS)(KK)xyz

B. CCG and combinators

a. Mary is running in the park.

b. He worked hard and succeeded his career.

1) Give the combinatory categorial calculus of the sentences a and b.

2) Give the formal semantic analysis of the sentences a and b in term of combinators.