

2007 Paper 6 Question 11

Foundations of Functional Programming

- (a) Define transformations that translate the λ -calculus to and from a language using only combinators and application. [8 marks]
- (b) Define transformations that translate the λ -calculus to and from continuation-passing style. [8 marks]
- (c) Indicate the complexity of your given transformations above in terms of size of output term as a function of size of input term. [4 marks]