Assignment 4

Out: Wednesday, 29 October 2003
Due: Wednesday, 05 November 2003

Total: 100 points

Exercise 1 (100 points) A parser is provided on-line for a programming language STLCRef. Please use the parser to implement a type-checker (50 points) and an evaluator (50 points) for the language STLCRef.

signature STLC = sig

  datatype stp = ...

  datatype ttm = ...

  val parseString: string -> ttm

  val typeCheck: ttm -> bool

  datatype utm = ...

  val erase: ttm -> utm

  val evaluate: utm -> utm

end