Assignment 3

Principles of Programming Languages
II UWr, 2017/18

due November 8, 2017

Problem 1 (2 pts). Solve Exercise 3.9 from EoPL.

Problem 2 (2 pts). Solve Exercise 3.10 from EoPL.

Problem 3 (2 pts). Solve Exercise 3.17 from EoPL.

Problem 4 (2 pts). Solve Exercise 3.26 from EoPL.

Problem 5 (2 pts). Solve Exercise 3.28 from EoPL.

Problem 6 (3 pts). Implement a call-by-name (lazy) version of PROC, i.e., such where a function argument is not evaluated before the function is called, but rather, each time the formal parameter of the function is referenced. It is your decision whether let-expressions become lazy or remain eager.

You should specify denoted values for representing delayed computations first, and then implement the specification using both a procedural and a data-structure representation.