

Lab 4 Solutions

CAS CS 320: *Concepts of Programming Languages*

Derivation Problem

$$\frac{\Gamma \vdash e_1 : \text{int} \quad \Gamma, \text{acc} : \tau \vdash e_2 : \tau \quad \Gamma \vdash e_3 : \tau}{\Gamma \vdash \text{repeat } e_1 \text{ times } e_2 \text{ from } e_3 : \tau} \text{ (repeat)}$$

Let Δ stand for the context $\{n : \text{int}, \text{acc} : \text{int} * \text{int}, i : \text{int}, m : \text{int}\}$

[illegible]