Syntax and Semantics Exercise Session 11

Exercise 1.

Prove the first theorem from Lecture 10 (safety of expressions).

Exercise 2.

Prove the second theorem from Lecture 10 (safety of statements).

Exercise 3.

Prove $E \vdash S$: ok in the case when E(i) = Int and S is:

$$i := \underline{10}$$
; while $i > \underline{0}$ do $i := i - \underline{1}$