

1 Language Definitions

$o \quad := \quad \text{true} \mid \text{false}$

$x \quad := \quad \text{variable identifiers}$

$a \quad := \quad \text{heap addresses}$

$e \quad := \quad x \mid o \mid e \ e \mid \text{let } x := e \mid \text{if } e \ e \ e$
 $\mid \lambda x_0 \dots x_n \ e \mid x \ e_0 \dots e_n$

$f \quad := \quad x_{name} \ x_0 \dots x_n \ e$

$\sigma \quad := \quad x \rightarrow a$

$\eta \quad := \quad a \rightarrow o$

$\nu \quad := \quad x \rightarrow f$