Semantics

1. Syntax

$$\begin{array}{c|cccc} e & ::= & & & \text{Expression} \\ & n & & & \text{Integer Literal} \\ & e_1 + e_2 & & \text{Add} \\ & x & & \text{Variable} \\ & \lambda x. \ e & & \text{Abstraction} \\ & e_1 \ e_2 & & \text{Application} \\ & e_1 \ e_2 & & \text{Merge} \\ & (e:A) & & \text{Annotation} \\ \end{array}$$

$$v \ ::= & & \text{Value} \\ & & & \\ & &$$

2. Semantics