

E) Evaluation relation \Rightarrow should also be extended to incorporate intended Semantics of newly added operations. For integers and intended Semantics \Rightarrow according to the standard Semantics booleans, we change \Rightarrow according to the standard Semantics of primitive operations. Here we give rules for only Some operations. Other cases one smilar.

meger constant

e = 1

Symbol

T mathematical operation.

Symbol

I usu ^ to emphasize it.

e \Rightarrow i $e' \Rightarrow$ i \Rightarrow i

e = true e' = 3 e = false e'' = 3?

If e then e' else e'' = 3?.

for operators for tuples and alternatives, we molude rules for constructors that just evaluate their arguments, and those for destructors that convert constructed tuples and alternatives back to components.

(e0) ≥ ... en-1 > ₹2n-1 ⟨e0,..., en-1 > ⇒ ⟨₹0,..., ₹n-1]

 $e \Rightarrow \langle z_0, \dots, z_{n-1} \rangle$ when $K \langle n \rangle$