(\text{true} \in \{\text{false}, \bot\}) \cdot (\text{I}(\text{I}(\text{I}))) \\
\rightarrow \bigwedge \beta \rightarrow \text{Int}(\text{Int}((\in \text{I}), \ldots, }, \ldots) = \bigwedge \text{with} \text{DS} \text{domains} \text{function} \text{(that is, with a} \\
\text{interpretation} \text{with a reasonable} \\
\text{Set of} \text{reasonable} \\
\text{determined by structure} \\
\text{with a reasonable} \\
\text{basic type} \\
\text{Set} \text{of} \\
\text{domain} \text{denotes the} \\
\text{determined by structure} \\
\text{with a reasonable}
(vi) Interpretation of Arithmetic Operations

\[ I \in \text{Int} \quad (x \mapsto \{1, \ldots, n\}) \]

- **Integer operations**:
  - Map to fixed values: \( x = 1 \)
  - Map to fixed values: \( x = 0 \)
  - Map to fixed values: \( x = \text{false} \)
  - Map to fixed values: \( x = \text{true} \)

- **Boolean operations**:
  - Map to fixed values: \( x = \text{true} \)
  - Map to fixed values: \( x = \text{false} \)
  - \( x \) is a well-formed variable in the OCL.

We set \( \tau \) if it is clear from context.

We may omit index \( I \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.

We set \( \tau \) if it is clear from context.
for some $\tau$.

By the way, a set comprehension is of the form:

$$\{x \mid P(x) \}$$. 

Recall that an expression is a set of typed variables.

The type of an expression is a set of basic types.

OCL Syntax 4.0.4: Context

$$\text{context } \tau.$$ 

The type of an expression is a set of basic types.

OCL Syntax 3.0.4: Iterate

$$\text{iterate } \tau \rightarrow \bot$$ 

and $x$ if $x$ in $\tau$.

Set comprehension:

$$\{x \mid P(x) \} = \tau.$$

OCL Syntax 2.0.4: Constants, Arithmetical Operators

$\text{true}$ and $\text{false}$.

$\beta$ is the set of typed logical variables.

For example, $\{x \mid x < 10\}$ is a set of typed logical variables.

Recall that a set of typed logical variables is a set of typed logical variables.

The type of an expression is a set of basic types.

OCL Syntax 1.0.4: Expressions

The type of an expression is a set of basic types.

There is a function $\tau \rightarrow \bot$ which is defined point-wise for $\tau = \text{true}$ and $\tau = \text{false}$.

$\{x \mid P(x) \} = \tau.$

is a function $\tau \rightarrow \bot$ which is defined point-wise for $\tau = \text{true}$ and $\tau = \text{false}$.

$\{x \mid P(x) \} = \tau.$

is a function $\tau \rightarrow \bot$ which is defined point-wise for $\tau = \text{true}$ and $\tau = \text{false}$.

$\{x \mid P(x) \} = \tau.$

is a function $\tau \rightarrow \bot$ which is defined point-wise for $\tau = \text{true}$ and $\tau = \text{false}$.

$\{x \mid P(x) \} = \tau.$

is a function $\tau \rightarrow \bot$ which is defined point-wise for $\tau = \text{true}$ and $\tau = \text{false}$.

$\{x \mid P(x) \} = \tau.$

is a function $\tau \rightarrow \bot$ which is defined point-wise for $\tau = \text{true}$ and $\tau = \text{false}$.

$\{x \mid P(x) \} = \tau.$
I \xrightarrow{\beta} v \text{ where } 
\begin{align*}
X = \sigma, \beta &\text{, if } (\emptyset, 1) \\
\neq &\text{ otherwise}
\end{align*}

\begin{align*}
\tau \xrightarrow{\mu} &\text{, if } (\sigma) \\
\tau \xrightarrow{\nu} &\text{, if } (\sigma, \beta)
\end{align*}

\text{Again: doesn't scare us.}

\text{Putting It All Together...}


