Self-Description

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Naming objects occurs, and when it does, a pointer is notated in memory from \( A \) (the name) to \( B \) (the object) as

\[
A \rightarrow B.
\]

When there is a naming

\[
A \rightarrow B,
\]

it is shifted to

\[
\sharp A \rightarrow BA.
\]

That is, the name is appended to the object and sets up a new or meta-name \( \sharp A \) for this composite object made of thing and name.

This shifting process is noticed and given a name \( M \). Thus

\[
M \rightarrow \sharp.
\]

\( M \) is the name of the meta-naming process. This naming is shifted to form

\[
\sharp M \rightarrow \sharp M
\]

and abbreviated to

\[
I = \sharp M.
\]

I am the meta-name of my meta-naming process.