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

$$A \longrightarrow B.$$

When there is a naming

$$A \longrightarrow B,$$

it is shifted to

$$\sharp A \longrightarrow BA.$$

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

$$M \longrightarrow \sharp.$$

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

$$\sharp M \longrightarrow \sharp M$$

and abbreviated to

$$I = \sharp M.$$

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