

# 1 Notation Versions

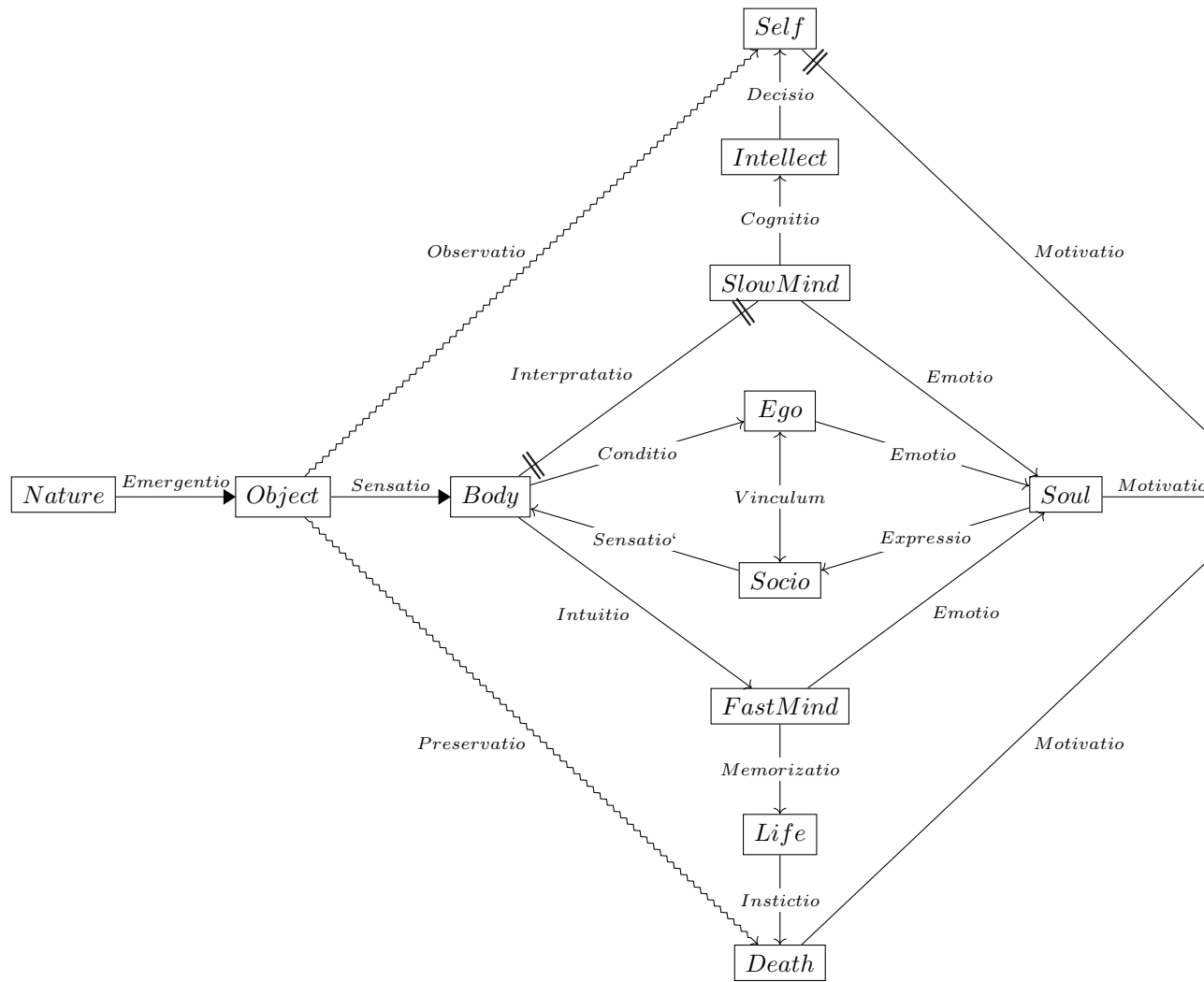
Variable	Interval	IEM head	$[restrain_1]:$	Arrow	$: [restrain_1]$	Arrow end
$m$	$[0, \infty)$		normal	$>$	power-set	$\rightarrow$
$n$	$[1, \infty)$		surjective	$\triangleright$ or $\blacktriangleright$	non-empty	$\rightarrow$
$1$	$[1, 1]$		bijective	$0$	functional	$\rightarrow$
$\varepsilon$	$[0, 1]$		injective	$0$	partial	$\rightarrow$

Variable	Interval	IEM head	$[restrain_1]:$	Arrow	$: [restrain_1]$	Arrow end
$m$	$[0, \infty)$		normal	$\triangleright$ or	power-set	$\rightarrow$
$n$	$[1, \infty)$		surjective	$\blacktriangleright$	non-empty	$\rightarrow$
$1$	$[1, 1]$		bijective	$0$	functional	$\rightarrow$
$\varepsilon$	$[0, 1]$		injective	$0$	partial	$\rightarrow$

Notation	IEM	$[restrain_1]:$	$: [restrain_1]$
$m : m$		normal	power-set
$n : m$		surjective	power-set
$1 : m$		bijective	power-set
$\varepsilon : m$		injective	power-set
$m : n$		normal	non-empty
$n : n$		surjective	non-empty
$1 : n$		bijective	non-empty
$\varepsilon : n$		injective	non-empty
$m : 1$		normal	functional
$n : 1$		surjective	functional
$1 : 1$		bijective	functional
$\varepsilon : 1$		injective	functional
$m : \varepsilon$		normal	partial
$n : \varepsilon$		surjective	partial
$1 : \varepsilon$		bijective	partial
$\varepsilon : \varepsilon$		injective	partial



$\rightarrow$

$\Rightarrow$

$\hookrightarrow$

$\leftrightarrow$

$\rightarrowtail$

$\rightarrowtail$

$\leftarrowtail$

$\mathcal{Q}\rightarrow$

$\leftarrow\mathcal{P}$

$\leftarrow\mathcal{P}$  (alternative)

$\leftarrow\mathcal{P}$  (alternative)

$\rightarrow$