

// Do I need to constrain bits to  $[0,1]$  ?

$EVENT ::= IN \mid OUT$

$Trace == seq\ EVENT$

$SystemSkeleton$

$log : Trace$

$OutBeforeIn$

$tr : Trace$

$\forall t : Trace \mid tr = t \frown \langle OUT, OUT, OUT \rangle \bullet t \neq \langle \rangle \wedge last\ t = IN$

$System == SystemSkeleton \wedge OutBeforeIn$

$SystemInit$

$System'$

$log' = \emptyset$