

world-es-val^{11,40}

$\forall the_w: \text{World}.$

FairFifo

$\Rightarrow \text{val-axiom}(E; the_w.TA; the_w.M; \lambda e. w\text{-info}(the_w; e); \lambda e. w\text{-pred}(the_w; e);$
 $\lambda i, x. s(i; 0).x; \lambda i. (w\text{-machine}(the_w; i).2).1;$
 $\lambda i. w\text{-machine}(the_w; i).1; \lambda i. w\text{-machine}(the_w; i).2.2; \lambda e. \text{val}(e); \lambda e. \text{time}(e))$