

THEORY *InvCorrectness*

IMPORT THEORY *Traces, EvtBPO*

TYPE PARAMETERS *STATE, EVENT*

THEOREMS

thm1 :

$\forall m, tr \cdot m \in \text{Machine}(\text{STATE}, \text{EVENT}) \wedge \text{Machine_WellCons}(m) \wedge$

$\text{IsATrace}(m, tr) \wedge$

$\text{Mch_INV}(m)$

$\Rightarrow (\forall n \cdot n \in \text{dom}(tr) \Rightarrow tr(n) \in \text{Inv}(m))$

END