

ma-state-subtype^{11,40}

$\forall ds, ds': \text{fpf}(\text{Id}; \text{ltg.Type}).$

$\text{fpf-sub}(\text{Id}; x.\text{Type}; \text{id-deq}; ds; ds') \Rightarrow \text{subtype_rel}(\text{ma-state}(ds'); \text{ma-state}(ds))$