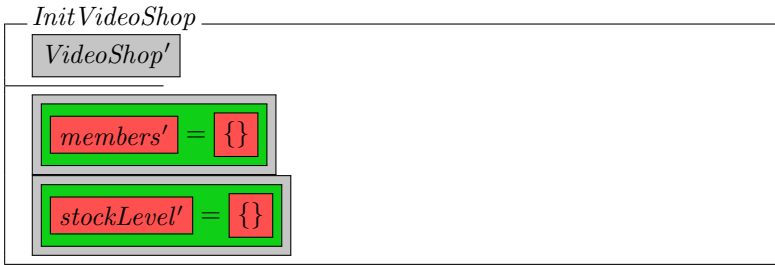
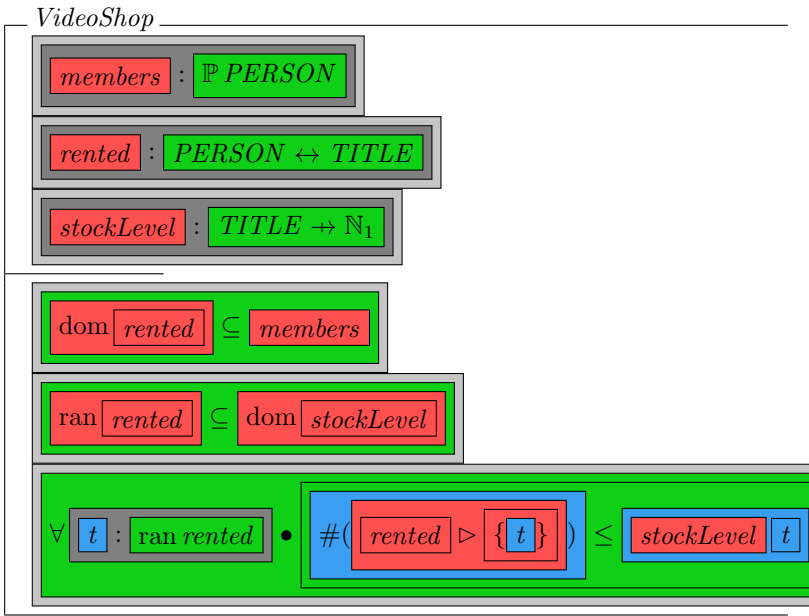


\boxed{PERSON}

\boxed{TITLE}



RentVideo

$\Delta VideoShop$

$p? : PERSON$

$t? : TITLE$

$p? \in members$

$t? \in \text{dom } stockLevel$

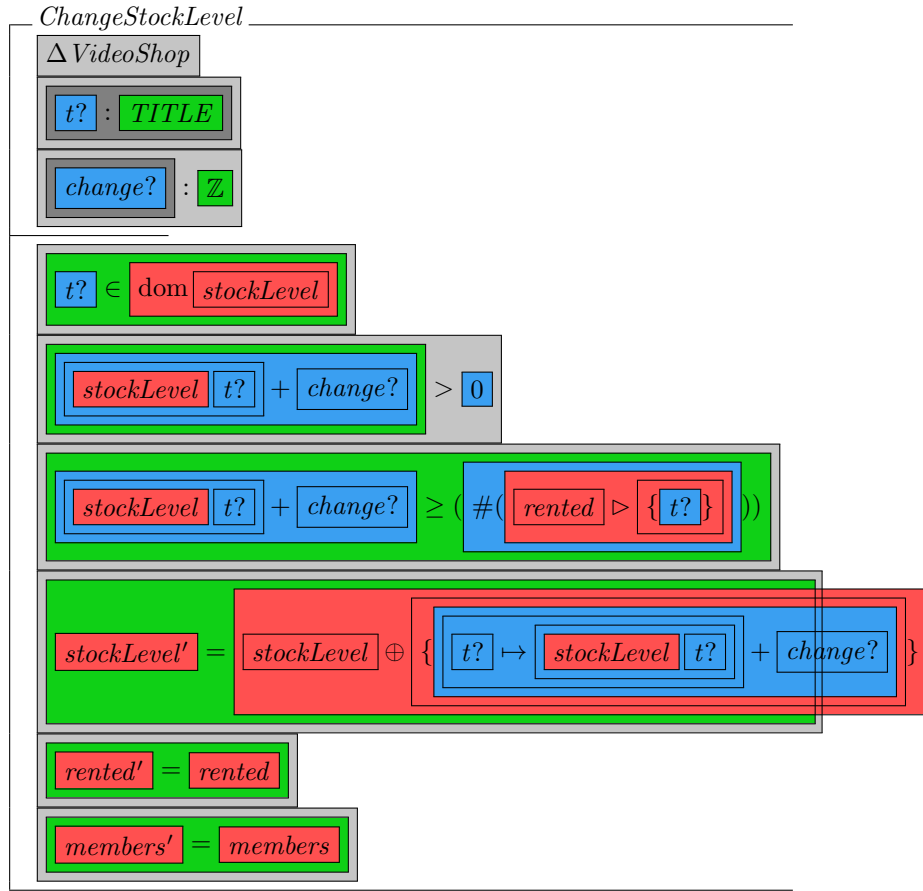
$stockLevel[t?] > \#(rented \triangleright \{t?\})$

$p? \mapsto t? \notin rented$

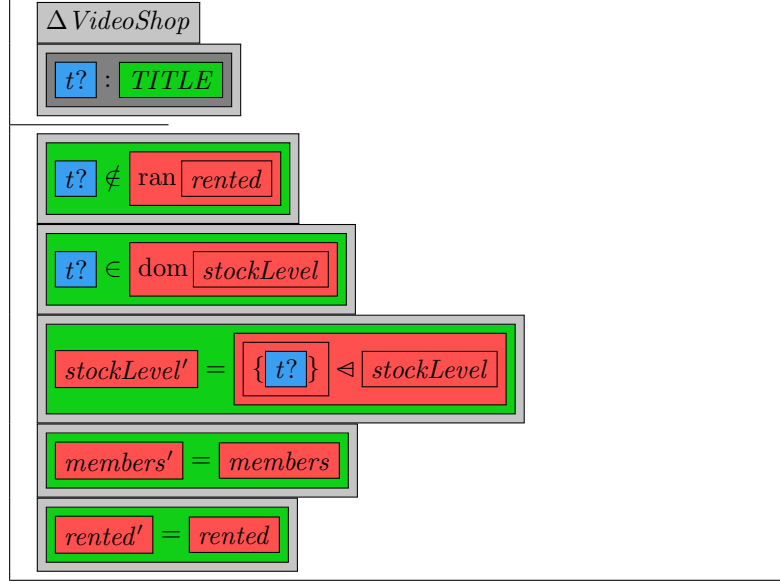
$rented' = rented \cup \{p? \mapsto t?\}$

$stockLevel' = stockLevel$

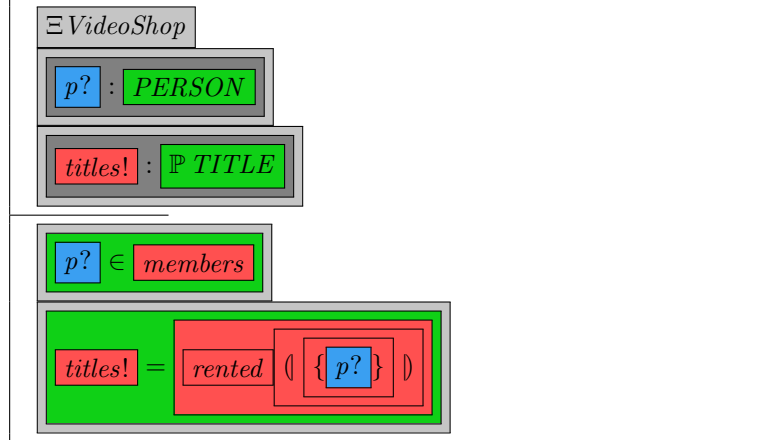
$members' = members$

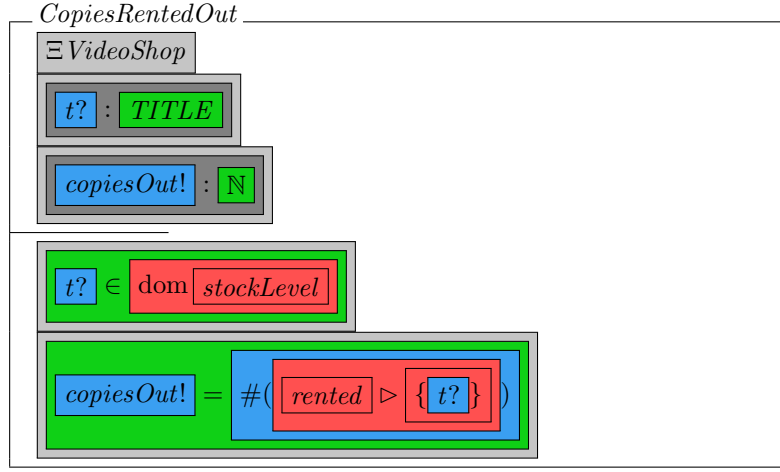


DeleteTitle



TitlesOut





MESSAGE ::= *success* | *notMember* | *notInStock* | *allCopiesOut* | *alreadyRented* | *nonPosStock*

