

```

DeclareMorphism [ $m_$ ,  $U_ \rightarrow V_$ ,  $ongs\_List$ ,  $oncs\_List: \{\}$ ] := (
  Replace [ $ongs$ , { ( $g_ \rightarrow img_$ )  $\Rightarrow$  ( $m[U[g]] = img$ ),
    ( $g_ \Rightarrow img_$ )  $\Rightarrow$  ( $m[U[g]] := img /. \$trim$ ) }, {1}];
   $m[1_U] = 1_V$ ;
   $m[U[g_{i_}]] := V_i[m[U@g]]$ ;
   $m[U[vs_{__}]] := NCM @@ (m /@ U /@ {vs})$ ;
   $m[\mathcal{E}_]$  := Simp [ $\mathcal{E} /. oncs /. u_U \Rightarrow m[u]$ ] /.  $\$trim$ ; )

```