$$
\begin{array}{ccccc}
 & c_2 & & c_3 & \\
X \longrightarrow & F & \longrightarrow & F/X & r_1 \\
\| & \uparrow & & \uparrow & \\
X \dashrightarrow & E & \dashrightarrow & (F/X)^C & r_2 \\
 & \uparrow & & \uparrow & \\
 & (F/X)^F & = & (F/X)^F &
\end{array}
$$