

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