

# Nov 22 Preps

November-20-11

12:41 PM

$$\begin{array}{ccccccc} R_M^{(\quad)} & \longrightarrow & F^M & \longrightarrow & M & \longrightarrow & 0 \\ \downarrow & & \downarrow & & \downarrow & & \\ R_N & \longrightarrow & F^N & \longrightarrow & N & \longrightarrow & 0 \end{array}$$

$$\begin{array}{ccccccc} F^{n_1} & \xrightarrow{(\quad)} & F^{m_1} & & & & \\ \downarrow & & \downarrow & \searrow & & & \\ F^{n_2} & \longrightarrow & F^{m_2} & \longrightarrow & M & \longrightarrow & 0 \end{array}$$