

$$\begin{array}{ccccc}
\coprod_{I_i} M & \xrightarrow{\cdot \mathbf{R}_i} & \coprod_{I_i} \coprod_{J_i} M & & \\
\downarrow & & \downarrow & & \\
\coprod_I M & \xrightarrow{\varinjlim_i (\cdot \mathbf{R}_i)} & \coprod_I \coprod_{J_i} M & \xrightarrow{\coprod_{J_0} \Sigma} & \\
& \searrow & \downarrow \coprod_{J_i} \sigma & \searrow & \\
& & \prod_I \coprod_{J_i} M & \xrightarrow{\coprod_{J_i} \tilde{\Sigma}} & \coprod_{J_i} M \\
& \searrow & \downarrow & & \downarrow \\
& & \prod_I \coprod_J M & \xrightarrow{\coprod_J \tilde{\Sigma}} & \coprod_J M
\end{array}$$

variables \longrightarrow equations \twoheadrightarrow sums