



$$\bigcup_n \mathfrak{Y}^n \ni \mathfrak{Y}^n$$

$$\mathfrak{Y}^m \diamond \mathfrak{Y}^n \Leftrightarrow \bigvee_{\ell \geq m:n} \ell/m \mathfrak{Y}^m = \ell/n \mathfrak{Y}^n$$

$$\prod \mathfrak{X} \times \dots \times \prod \mathfrak{X} \in {}^{m_1}C_{m_1} \times \dots \times {}^{m_p}C_{m_p}$$

$$\xleftarrow[\text{can}]{\pi}$$

$${}^{n_1}C_{n_1} \times \dots \times {}^{n_q}C_{n_q} \ni \begin{array}{c|c|c|c} 0\mathfrak{X}/k_{10} & 0 & 0 & 0 \\ \hline 0 & \prod \mathfrak{X}/k_{11} & 0 & 0 \\ \hline 0 & 0 & \ddots & 0 \\ \hline 0 & 0 & 0 & \prod \mathfrak{X}/k_{1p} \end{array} \times \dots \times \begin{array}{c|c|c|c} 0\mathfrak{X}/k_{q0} & 0 & 0 & 0 \\ \hline 0 & \prod \mathfrak{X}/k_{q1} & 0 & 0 \\ \hline 0 & 0 & \ddots & 0 \\ \hline 0 & 0 & 0 & \prod \mathfrak{X}/k_{qp} \end{array}$$

$$\sum_{0 \leq i \leq p} k_{ij} m_i = n_j$$

