

HL [ $\# \equiv \mathbb{E}[\emptyset, \emptyset, 1]$ ] & /@

$$\left\{ \begin{array}{l} \left( \overline{R}_{1,2} \ R_{3,4} \right) \sim B_{1,2,3,4} \sim \left( m_{1,3 \rightarrow 1} \ m_{2,4 \rightarrow 2} \right) , \\ \left( R_{1,2} \ \overline{R}_{3,4} \right) \sim B_{1,2,3,4} \sim \left( m_{1,3 \rightarrow 1} \ m_{2,4 \rightarrow 2} \right) \end{array} \right\}$$