

$$\begin{array}{c}
\begin{array}{c} \sigma_1(1)\text{-block} \end{array} \qquad \begin{array}{c} \sigma_1(a_1)\text{-block} \end{array} \\
(\dots, \dots, \overbrace{\rho_{1,1}(\textcolor{red}{1}), \rho_{1,1}(\textcolor{red}{2}), \dots, \rho_{1,1}(\textcolor{red}{k_{1,1}})}^{\sigma_1(1)\text{-block}}, \dots, \overbrace{\rho'_{1,a_1}(\textcolor{blue}{1}), \rho'_{1,a_1}(\textcolor{blue}{2}), \dots, \rho'_{1,a_1}(\textcolor{blue}{k_{1,a_1}})}^{\sigma_1(a_1)\text{-block}}, \dots \\
\qquad \qquad \qquad \tau(1)\text{-th } n\text{-block} \\
\begin{array}{c} \sigma_n(1)\text{-block} \end{array} \qquad \begin{array}{c} \sigma_n(a_n)\text{-block} \end{array} \\
\dots, \dots, \overbrace{\rho_{n,1}(\textcolor{teal}{1}), \rho_{n,1}(\textcolor{teal}{2}), \dots, \rho_{n,1}(\textcolor{teal}{k_{n,1}})}^{\sigma_n(1)\text{-block}}, \dots, \overbrace{\rho_{n,a_n}(\textcolor{blue}{1}), \rho_{n,a_n}(\textcolor{blue}{2}), \dots, \rho_{n,a_n}(\textcolor{blue}{k_{n,a_n}})}^{\sigma_n(a_n)\text{-block}}, \dots) \\
\qquad \qquad \qquad \tau(n)\text{-th } n\text{-block}
\end{array}$$