

Reminder

$$\Lambda_\gamma = \begin{matrix} & \gamma \rightarrow \\ \begin{matrix} \delta \downarrow \\ 0 \\ 1 \\ 2 \\ 3 \end{matrix} & \begin{matrix} 0 & 1 & 2 & 3 \end{matrix} \\ \begin{pmatrix} \gamma & -\gamma_\beta & & 0 \\ -\gamma_\beta & \gamma & & \\ & & 1 & 0 \\ & 0 & & 0 & 1 \end{pmatrix} \end{matrix}$$

$$F_{\alpha\beta} = \begin{matrix} & \beta \rightarrow \\ \begin{matrix} \alpha \downarrow \\ 0 \\ 1 \\ 2 \\ 3 \end{matrix} & \begin{matrix} 0 & 1 & 2 & 3 \end{matrix} \\ \begin{pmatrix} 0 & -E_{1/c} & -E_{2/c} & -E_{3/c} \\ E_{1/c} & 0 & -B_3 & B_2 \\ E_{2/c} & B_3 & 0 & -B_1 \\ E_{3/c} & -B_2 & B_1 & 0 \end{pmatrix} \end{matrix}$$