

$$\min_{X,Y \in \mathbb{R}^{d \times d}} \left\| \left( n \overbrace{\begin{bmatrix} \color{green}{\square} & & & \\ & \color{green}{\square} & & \\ & & \color{green}{\square} & \\ & & & \color{green}{\square} \\ & & & & \color{green}{\square} \\ & & & & & \color{green}{\square} \end{bmatrix}}^n \right)^{-1} \times \exp \left( n \overbrace{\begin{bmatrix} \color{blue}{\square} \end{bmatrix}}^d \times d \overbrace{\begin{bmatrix} \color{red}{\square} \end{bmatrix}}^d \times d \overbrace{\begin{bmatrix} \color{blue}{\square} \end{bmatrix}}^n \right) \times n \overbrace{\begin{bmatrix} \color{blue}{\square} \end{bmatrix}}^d \times d \overbrace{\begin{bmatrix} \color{red}{\square} \end{bmatrix}}^d - n \overbrace{\begin{bmatrix} \color{blue}{\square} \end{bmatrix}}^d \right\|_F^2$$