

$$A^{-1} = \underbrace{\begin{bmatrix} \square & & & \\ & \square & & \\ & & \square & \\ & & & \square \end{bmatrix}}_G + \underbrace{\begin{bmatrix} \text{rectangle} & & & \\ & \text{rectangle} & & \\ & & \text{rectangle} & \\ & & & \text{rectangle} \end{bmatrix}}_E \underbrace{\begin{bmatrix} \square & \square & \square & \square \\ \square & \square & \square & \square \\ \square & \square & \square & \square \\ \square & \square & \square & \square \end{bmatrix}}_{(\tilde{A} - \tilde{D})^{-1}} \underbrace{\begin{bmatrix} \text{rectangle} & & & \\ & \text{rectangle} & & \\ & & \text{rectangle} & \\ & & & \text{rectangle} \end{bmatrix}}_{F^T}$$