



$$\mathbf{F}_{f-f}^{kk'} = g_{kk'} \sum_{\mathbf{x}'} G(\mathbf{x}, \mathbf{x}') \psi^{k'}(\mathbf{x}') (\mathbf{x}' - \mathbf{x})$$

$$\mathbf{F}_{f-f}^{kk'} = (\text{yellow square} * G * \text{green square}) \cdot \mathbf{e}$$

$$\begin{aligned}
 \psi &= [\text{green square}, \text{green square}, \dots] \\
 g_k &= [\text{yellow square}, \text{yellow square}, \dots] \\
 \mathbf{F}_{f-f}^k(\text{yellow square}, \text{green square}) &= [\text{pink square}, \text{pink square}, \dots]
 \end{aligned}$$

