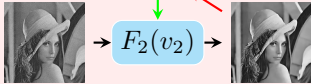
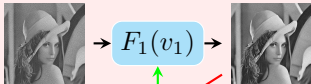


# Two-agent consensus equilibrium(TACE)

solving data-fidelity agent



denoising agent

consensus agent

$$\mathcal{G}(\mathbf{v}) = \begin{bmatrix} \bar{\mathbf{v}} \\ \bar{\mathbf{v}} \end{bmatrix}$$

consensus individual

$$\mathcal{F}(\mathbf{v}) = \begin{bmatrix} F_1(v_1) \\ F_2(v_2) \end{bmatrix}$$

Consensus Equation

$$\mathbf{v}^{k+1} = (2\mathcal{G} - I)(2\mathcal{F} - I)\mathbf{v}^k$$

