

1. Mapping-Stage
 $I(\cdot) \rightarrow \{\mathcal{S}, \mathcal{F}\}$

2. Minimization-Stage
 $\hat{\omega} = \arg \min_{\omega} U(\omega)$

3. Re-Mapping-Stage
 $\{\mathcal{S}, \hat{\omega}\} \rightarrow I(\cdot)$

