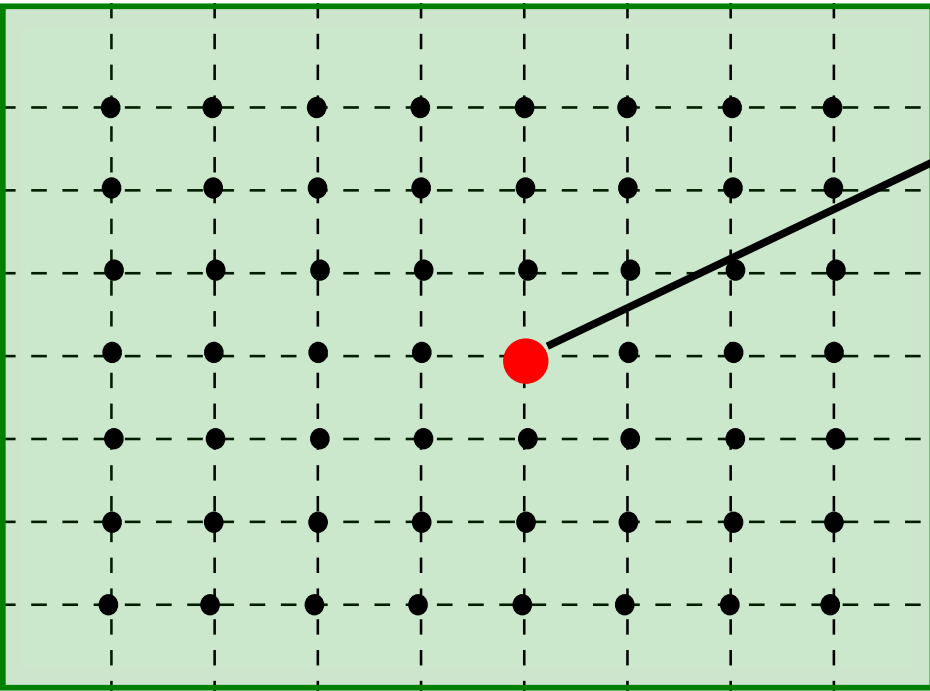$\mathbf{S_i}$

$\mathcal{S}^* \longrightarrow g^* = \langle \mathcal{S}^*, A, \mathbf{p}^*, E^*, \varSigma^* \rangle$

$g(\mathbf{S_i})$

RMSE $\quad g^*(\mathcal{S}) \quad \mathcal{S} \in \mathbf{S_i}$