$$\underset{\substack{V,\rho,L,L_t,\\ L_{0,i},S_k,L}}{\text{minimize}} \quad \sum_{k=1}^{N} \text{vol}(\mathcal{E}(t_k))$$

$$\text{subject to} \qquad g(w) = 0, \qquad\qquad (1)$$
$$n(w) \qquad 6,$$
$$L(w) + r(x) = Kw + p,$$
$$h(x) = 0.$$

$$\underset{\substack{V,\rho,L,L_t,\\ L_{0,i},S_k,L}}{\inf} \sum_{k=1}^{N} \text{vol}(\mathcal{E}(t_k))$$

$$\rho(0) - V(0,\bar{x}) - \sum_{i}^{N} L_{0,i}(\bar{x})g_{0,i}(\bar{x}) \qquad\qquad \text{is SOS}$$