



$$\text{origin: } \min f(x) = q^*$$

$$\text{s.t. } m(x) \leq 0$$

$$\text{Dual: } \max \min f(x) + \lambda_i m(x) = d^*$$

$$\text{s.t. } \lambda_i \geq 0$$

$$d^* \leq q^*$$