

: jk KKT တော် အနပ်ပွဲ  $(\tilde{x}, \tilde{\lambda}, \tilde{v})$  ပါမ်းလိုက်စွာ အလိုက်

$$\begin{array}{c} \text{then } L(\tilde{x}, \tilde{\lambda}, \tilde{v}) = \min_x L(x, \tilde{\lambda}, \tilde{v}) \leq \max_{\lambda \geq 0, v} \min_x L(x, \lambda, v) = d^* \\ \left( \begin{array}{l} L(x, \lambda, v) \text{ pp} \\ x \in \text{dom} f \end{array} \right) \text{ 1. KKT, 2. KKT, 3. KKT} \end{array}$$

$$L(\tilde{x}, \tilde{\lambda}, \tilde{v}) = f(\tilde{x}) + \sum_{i=1}^m \tilde{\lambda}_i g_i(\tilde{x}) + \sum_{i=1}^p \tilde{v}_i h_i(\tilde{x}) = f(\tilde{x}) \geq \min_{x \in D} f(x) = p^*$$

je အန  
1, 2, 4 KKT  
2, 1 KKT

$$p^* \leq L(\tilde{x}, \tilde{\lambda}, \tilde{v}) \leq d^*$$

ပြုလုပ်ချက် ပေါ်၊  $d^* \leq p^*$