$$egin{aligned} oldsymbol{x}^* &= rg \min f(oldsymbol{x}) + g(oldsymbol{x}) \ g(oldsymbol{x}) - g(oldsymbol{x}^*) +
abla f(oldsymbol{x}^*)^{\Gamma} (oldsymbol{x} - oldsymbol{x}^*) \geqslant 0, \quad orall oldsymbol{x} \in \mathbb{R}^n \end{aligned}$$