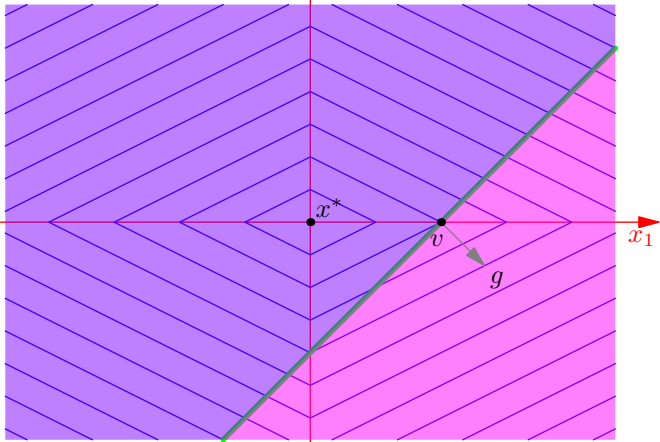


$$g^T(y - v) < 0$$

x_2



x_1

x^*

v

g

$$f(y) \geq f(v) + g^T(y - v) > f(v)$$