

Úloha NLP

$$f(\mathbf{x}) = (x_1 - 6)^2 + (x_2 - 4)^2 \rightarrow \min$$

x1

x2

$$g_1(\mathbf{x}) = x_1^2 + x_2^2 - 20 \leq 0$$

f

$$g_2(\mathbf{x}) = -x_1 + x_2^2 \leq 0$$

g1

g2

$$x_1 \geq 0, \quad x_2 \geq 0$$