

$$x^T Q x + c^T x + \text{alpha}$$

$$Ax = b$$

 $\ell < x < u$

$$x^T Q c x + q^T x \le \text{beta}$$

$$x[resvar] = \max\{con, x[j] : j \in vars\}$$

$$x[resvar] = min \{con, x[j] : j \in vars\}$$

$$x[resvar] = |x[argvar]|$$

$$x[resvar] = and\{x[i] : i \in vars\}$$

$$x[resvar] = or\{x[i] : i \in vars\}$$

 $\sum (x(j) \cdot a(j))$ sense rhs $x[\text{binvar}] = \text{binval} \Rightarrow$

xlbinyai

 $\sum (x[\text{vars}(j)] \cdot \text{val}(j))$ sense rhs

$$x[yvar] = f(x[xvar])$$

$$x[yvar] = p_0 x[xvar]^d + p_1 x[xvar]^{d-1} + \dots + p_{d-1} x[xvar] + p_d$$

$$x[yvar] = \exp(x[xvar])$$

$$x[yvar] = a^{x[xvar]}$$

$$x[yvar] = \log(x[xvar])$$

$$x[yvar] = \log(x[xvar]) \setminus \log(a)$$

$$x[yvar] = x[xvar]^a$$

$$x[yvar] = \sin(x[xvar])$$

$$x[yvar] = cos(x[xvar])$$

$$x[yvar] = tan(x[xvar])$$

ObjBound

ObjVal