











0)  $\max_{x \in \mathbb{R}^n} \{(x^T b) - \frac{1}{2} x^T Q x\}$   
s.t.  $Ax = c$

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```
: Fmin unc (x^T b) - 0.5 * x^T Q x  
x0 = 0  
: if x0 == 0, vec^0  
: if x0 != 0, vec^0  
: if x0 == 0
```

1 solution  
=>  $\vec{x}$ : Lagrange multiplier w/  $\vec{x}$   
[ 5: solves min. f(x) = (x^T b) - 0.5 \* x^T Q x  
vec