



o

glup
glup

Q

0
0
0

$$\text{glup} \circ \text{glup}$$
$$x^{(i)} = \frac{1}{n} \sum_{j=1}^n x_j^{(i)}$$

Q

$$x^* \in \arg \min_{x \in X} f(x)$$
$$x^* \begin{pmatrix} 0 \\ 0 \end{pmatrix}$$
