$$y_i = (a_i)^T \cdot x + w_i$$

$$x\_bar = (\sum_i a_i \cdot (a_i)^T)^{-1} \cdot \sum_i y_i \cdot a_i$$

where

- $a_i \in \mathbb{R}^n$ :the measurement vectors
- $w_i \in \mathbb{R}$ :measurement noise
- $x \in \mathbb{R}^n$ :measurement noise