

这题目按照特殊的做,直接算出答案很简单,

(选做)证明这个答案确实是最小值,可以算是研究生课程的作业.

比如:

Given:

$$weight = [w_1, w_2, \dots, w_n] location = [x_1, x_2, \dots, x_n]$$
 (1)

We have:

$$center = \sum_{i=1}^{n} w_i x_i \tag{2}$$

Where center is the **only** solution to minimize $\sum\limits_{i=1}^{n}|w_{i}x_{i}-y|_{2}^{2}.$