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## The Solution and The Error

1分

Recall the least-squares (https://en.wikipedia.org/wiki/Least\_squares#Problem\_statement) problem statement.

Suppose we have found a solution  $x^*$  to the least squares problem

$$min_x = ||b - Ax||_2$$

What can be said about  $x^*$ ?

选项\*

- $\bigcirc x^*$  is in the nullspace of A
- $||b Ax^*||_2 = 0$
- $\bigcirc x^*$  satisifies the equation  $Ax^* = b$
- None of the above

参考答案: 'None of the above'.