



$$A_{11} = \frac{\sum_{i=1}^n x_i}{n} \quad || \quad \frac{x_1 + x_2 + \dots + x_n}{n} \quad / \cdot n$$

$$nA = x_1 + \dots + x_n$$

$$x_1 + \dots + x_n - nA = 0$$

$$\downarrow$$

$$-A - A - A$$

$$x_1 - A + x_2 - A + \dots + x_n - A = 0$$

$$\sum_{i=1}^n x_i - A = 0$$