

Exercise 4

Suppose that $\sum_{i=1}^{100} a_i = 15$ and $\sum_{i=1}^{100} b_i = -12$. In the following exercises, compute the sums.

$$\sum_{i=1}^{100} (a_i + b_i)$$

Solution

$$\begin{aligned}\sum_{i=1}^{100} (a_i + b_i) &= \sum_{i=1}^{100} a_i + \sum_{i=1}^{100} b_i \\ &= (15) + (-12) \\ &= 3\end{aligned}$$