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Sésamath

Maths 1S

Simplifier $\displaystyle\sum_{i=7}^{12} n_i - \sum_{k=6}^{9} n_k$.

$$\sum_{i=7}^{12} n_i - \sum_{k=6}^{9} n_k = (n_7 + n_8 + n_9 + n_{10} + n_{11} + n_{12}) - (n_6 + n_7 + n_8 + n_9)$$

correction

$$\sum_{i=7}^{12} n_i - \sum_{k=6}^{9} n_k = (n_7 + n_8 + n_9 + n_{10} + n_{11} + n_{12}) - (n_6 + n_7 + n_8 + n_9)$$

$$\sum_{i=7}^{12} n_i - \sum_{k=6}^{9} n_k = n_7 + n_8 + n_9 + n_{10} + n_{11} + n_{12} - n_6 - n_7 - n_8 - n_9$$

$$\sum_{i=7}^{12} n_i - \sum_{k=6}^{9} n_k = -n_6 + n_{10} + n_{11} + n_{12}$$

correction

$$\sum_{i=7}^{12} n_i - \sum_{k=6}^{9} n_k = (n_7 + n_8 + n_9 + n_{10} + n_{11} + n_{12}) - (n_6 + n_7 + n_8 + n_9)$$

$$\sum_{i=7}^{12} n_i - \sum_{k=6}^{9} n_k = n_7 + n_8 + n_9 + n_{10} + n_{11} + n_{12} - n_6 - n_7 - n_8 - n_9$$

$$\sum_{i=7}^{12} n_i - \sum_{k=6}^{9} n_k = -n_6 + n_{10} + n_{11} + n_{12}$$

ou bien $\displaystyle \sum_{i=7}^{12} n_i - \sum_{k=6}^{9} n_k = \sum_{i=7}^{9} n_i + \sum_{i=10}^{12} n_i - \left(n_6 + \sum_{k=7}^{9} n_k \right)$

correction

$$\sum_{i=7}^{12} n_i - \sum_{k=6}^{9} n_k = (n_7 + n_8 + n_9 + n_{10} + n_{11} + n_{12}) - (n_6 + n_7 + n_8 + n_9)$$

$$\sum_{i=7}^{12} n_i - \sum_{k=6}^{9} n_k = n_7 + n_8 + n_9 + n_{10} + n_{11} + n_{12} - n_6 - n_7 - n_8 - n_9$$

$$\sum_{i=7}^{12} n_i - \sum_{k=6}^{9} n_k = -n_6 + n_{10} + n_{11} + n_{12}$$

ou bien $\displaystyle\sum_{i=7}^{12} n_i - \sum_{k=6}^{9} n_k = \sum_{i=7}^{9} n_i + \sum_{i=10}^{12} n_i - \left(n_6 + \sum_{k=7}^{9} n_k \right)$

$$\sum_{i=7}^{12} n_i - \sum_{k=6}^{9} n_k = \sum_{i=7}^{9} n_i + \sum_{i=10}^{12} n_i - n_6 - \sum_{k=7}^{9} n_k$$

$$\sum_{i=7}^{12} n_i - \sum_{k=6}^{9} n_k = (n_7 + n_8 + n_9 + n_{10} + n_{11} + n_{12}) - (n_6 + n_7 + n_8 + n_9)$$

$$\sum_{i=7}^{12} n_i - \sum_{k=6}^{9} n_k = n_7 + n_8 + n_9 + n_{10} + n_{11} + n_{12} - n_6 - n_7 - n_8 - n_9$$

$$\sum_{i=7}^{12} n_i - \sum_{k=6}^{9} n_k = -n_6 + n_{10} + n_{11} + n_{12}$$

ou bien $$\sum_{i=7}^{12} n_i - \sum_{k=6}^{9} n_k = \sum_{i=7}^{9} n_i + \sum_{i=10}^{12} n_i - \left(n_6 + \sum_{k=7}^{9} n_k \right)$$

$$\sum_{i=7}^{12} n_i - \sum_{k=6}^{9} n_k = \sum_{i=7}^{9} n_i + \sum_{i=10}^{12} n_i - n_6 - \sum_{k=7}^{9} n_k$$

$$\sum_{i=7}^{12} n_i - \sum_{k=6}^{9} n_k = \sum_{i=10}^{12} n_i - n_6 = n_{10} + n_{11} + n_{12} - n_6$$