

Табл.4

№	Координати векторів $\bar{a}, \bar{b}, \bar{c}, \bar{d}$	Формування матриць A і B	Операції з векторами $\bar{a}, \bar{b}, \bar{c}, \bar{d}$	Операції з матрицями A і B	Операції з векторами і матрицями
1.	$\bar{a} = [1, 1, 1]$, $\bar{b} = [6, 6, -11]$, $\bar{c} = [1, -6, 11]$, $\bar{d} = [-1, 6, 11]$	$A = \begin{bmatrix} \bar{a} \\ \bar{b} \\ \bar{c} \end{bmatrix}, B = \begin{bmatrix} \bar{a} \\ \bar{d} \\ -\bar{c} \end{bmatrix}$	$n\bar{a} + \bar{b} - \bar{c}/n$ $\bar{a} \cdot \bar{b}$ $\bar{a} \times \bar{b}$ $\widehat{\bar{a}, \bar{b}}$	$ A $ $nA + B$ A^{-1} B^T	$\bar{a} \cdot A$ $ A \cdot \bar{b}$ $X = A^{-1} \bar{d}$
2.	$\bar{a} = [2, 2, 2]$, $\bar{b} = [7, 7, -12]$, $\bar{c} = [2, -7, 12]$, $\bar{d} = [-2, 7, 12]$	$A = \begin{bmatrix} \bar{a} \\ \bar{b} \\ \bar{d} \end{bmatrix}, B = \begin{bmatrix} \bar{b} \\ -\bar{d} \\ \bar{c} \end{bmatrix}$	$n\bar{a} - \bar{b}/n + \bar{c}$ $\bar{a} \cdot \bar{c}$ $\bar{a} \times \bar{c}$ $\widehat{\bar{a}, \bar{c}}$	$ A $ $A - nB$ A^{-1} B^T	$\bar{b} \cdot A$ $ A \cdot \bar{c}$ $X = A^{-1} \bar{d}$
3.	$\bar{a} = [3, 3, 3]$, $\bar{b} = [8, 8, -13]$, $\bar{c} = [3, -8, 13]$, $\bar{d} = [-3, 8, 13]$	$A = \begin{bmatrix} \bar{a} \\ \bar{c} \\ \bar{d} \end{bmatrix}, B = \begin{bmatrix} \bar{b} \\ \bar{d} \\ \bar{a} \end{bmatrix}$	$n\bar{a} + \bar{d} - \bar{c}$ $\bar{a} \cdot \bar{b}$ $\bar{a} \times \bar{b}$ $\widehat{\bar{c}, \bar{b}}$	$ A $ $A + B/n$ A^{-1} B^T	$\bar{c} \cdot A$ $ A \cdot \bar{b}$ $X = A^{-1} \bar{d}$
4.	$\bar{a} = [4, 4, 4]$, $\bar{b} = [9, 9, -14]$, $\bar{c} = [4, -9, 14]$, $\bar{d} = [-4, 9, 14]$	$A = \begin{bmatrix} \bar{a} \\ \bar{c} \\ \bar{b} \end{bmatrix}, B = \begin{bmatrix} \bar{a} \\ \bar{b} \\ -\bar{d} \end{bmatrix}$	$n\bar{a} - \bar{b} + \bar{c}/n$ $\bar{c} \cdot \bar{d}$ $\bar{d} \times \bar{b}$ $\widehat{\bar{a}, \bar{d}}$	$ A $ $A - B/n$ A^{-1} B^T	$\bar{d} \cdot A$ $ A \cdot \bar{c}$ $X = A^{-1} \bar{d}$
5.	$\bar{a} = [5, 5, 5]$, $\bar{b} = [10, 10, -15]$, $\bar{c} = [5, -10, 15]$, $\bar{d} = [-5, 10, 15]$	$A = \begin{bmatrix} \bar{a} \\ \bar{b} \\ \bar{c} \end{bmatrix}, B = \begin{bmatrix} \bar{a} \\ \bar{d} \\ -\bar{c} \end{bmatrix}$	$n\bar{a} + \bar{b} - \bar{c}/n$ $\bar{a} \cdot \bar{b}$ $\bar{a} \times \bar{b}$ $\widehat{\bar{a}, \bar{b}}$	$ A $ $nA + B$ A^{-1} B^T	$\bar{a} \cdot A$ $ A \cdot \bar{b}$ $X = A^{-1} \bar{d}$
6.	$\bar{a} = [6, 6, 6]$, $\bar{b} = [11, 11, -16]$, $\bar{c} = [6, -11, 16]$, $\bar{d} = [-6, 11, 16]$	$A = \begin{bmatrix} \bar{a} \\ \bar{b} \\ \bar{d} \end{bmatrix}, B = \begin{bmatrix} \bar{b} \\ -\bar{d} \\ \bar{c} \end{bmatrix}$	$n\bar{a} - \bar{b}/n + \bar{c}$ $\bar{a} \cdot \bar{c}$ $\bar{a} \times \bar{c}$ $\widehat{\bar{a}, \bar{c}}$	$ A $ $A - nB$ A^{-1} B^T	$\bar{b} \cdot A$ $ A \cdot \bar{c}$ $X = A^{-1} \bar{d}$
7.	$\bar{a} = [7, 7, 7]$, $\bar{b} = [12, 12, -17]$, $\bar{c} = [7, -12, 17]$, $\bar{d} = [-7, 12, 17]$	$A = \begin{bmatrix} \bar{a} \\ \bar{c} \\ \bar{d} \end{bmatrix}, B = \begin{bmatrix} \bar{b} \\ \bar{d} \\ \bar{a} \end{bmatrix}$	$n\bar{a} + \bar{d} - \bar{c}$ $\bar{a} \cdot \bar{b}$ $\bar{a} \times \bar{b}$ $\widehat{\bar{c}, \bar{b}}$	$ A $ $A + B/n$ A^{-1} B^T	$\bar{c} \cdot A$ $ A \cdot \bar{b}$ $X = A^{-1} \bar{d}$
8.	$\bar{a} = [8, 8, 8]$, $\bar{b} = [13, 13, -18]$, $\bar{c} = [8, -13, 18]$, $\bar{d} = [-8, 13, 18]$	$A = \begin{bmatrix} \bar{a} \\ \bar{c} \\ \bar{b} \end{bmatrix}, B = \begin{bmatrix} \bar{a} \\ \bar{b} \\ -\bar{d} \end{bmatrix}$	$n\bar{a} - \bar{b} + \bar{c}/n$ $\bar{c} \cdot \bar{d}$ $\bar{d} \times \bar{b}$ $\widehat{\bar{a}, \bar{d}}$	$ A $ $A - B/n$ A^{-1} B^T	$\bar{d} \cdot A$ $ A \cdot \bar{c}$ $X = A^{-1} \bar{d}$
9.	$\bar{a} = [9, 9, 9]$, $\bar{b} = [14, 14, -19]$, $\bar{c} = [9, -9, 14]$, $\bar{d} = [-9, 14, 19]$	$A = \begin{bmatrix} \bar{a} \\ \bar{b} \\ \bar{c} \end{bmatrix}, B = \begin{bmatrix} \bar{a} \\ \bar{d} \\ -\bar{c} \end{bmatrix}$	$n\bar{a} + \bar{b} - \bar{c}/n$ $\bar{a} \cdot \bar{b}$ $\bar{a} \times \bar{b}$ $\widehat{\bar{a}, \bar{b}}$	$ A $ $nA + B$ A^{-1} B^T	$\bar{a} \cdot A$ $ A \cdot \bar{b}$ $X = A^{-1} \bar{d}$
10.	$\bar{a} = [10, 10, 10]$, $\bar{b} = [15, 15, -20]$, $\bar{c} = [10, -15, 20]$, $\bar{d} = [-10, 15, 20]$	$A = \begin{bmatrix} \bar{a} \\ \bar{b} \\ \bar{d} \end{bmatrix}, B = \begin{bmatrix} \bar{b} \\ -\bar{d} \\ \bar{c} \end{bmatrix}$	$n\bar{a} - \bar{b}/n + \bar{c}$ $\bar{a} \cdot \bar{c}$ $\bar{a} \times \bar{c}$ $\widehat{\bar{a}, \bar{c}}$	$ A $ $A - nB$ A^{-1} B^T	$\bar{b} \cdot A$ $ A \cdot \bar{c}$ $X = A^{-1} \bar{d}$
11.	$\bar{a} = [11, 11, 11]$, $\bar{b} = [16, 16, -21]$, $\bar{c} = [11, -16, 21]$, $\bar{d} = [-11, 16, 21]$	$A = \begin{bmatrix} \bar{a} \\ \bar{c} \\ \bar{d} \end{bmatrix}, B = \begin{bmatrix} \bar{b} \\ \bar{d} \\ \bar{a} \end{bmatrix}$	$n\bar{a} + \bar{d} - \bar{c}$ $\bar{a} \cdot \bar{b}$ $\bar{a} \times \bar{b}$ $\widehat{\bar{c}, \bar{b}}$	$ A $ $A + B/n$ A^{-1} B^T	$\bar{c} \cdot A$ $ A \cdot \bar{b}$ $X = A^{-1} \bar{d}$

12.	$\bar{a} = [12, 12, 12]$, $\bar{b} = [17, 17, -22]$, $\bar{c} = [12, -17, 22]$, $\bar{d} = [-12, 17, 22]$	$A = \begin{bmatrix} \bar{a} \\ \bar{c} \\ \bar{b} \end{bmatrix}, B = \begin{bmatrix} \bar{a} \\ \bar{b} \\ -\bar{d} \end{bmatrix}$	$n\bar{a} - \bar{b} + \bar{c}/n$ $\bar{c} \cdot \bar{d}$ $\bar{d} \times \bar{b}$ $\widehat{\bar{a}, \bar{d}}$	$ A $ $A - B/n$ A^{-1} B^T	$\bar{d} \cdot A$ $ A \cdot \bar{c}$ $X = A^{-1} \bar{d}$
13.	$\bar{a} = [13, 13, 13]$, $\bar{b} = [18, 18, -23]$, $\bar{c} = [13, -18, 23]$, $\bar{d} = [-13, 18, 23]$	$A = \begin{bmatrix} \bar{a} \\ \bar{b} \\ \bar{c} \end{bmatrix}, B = \begin{bmatrix} \bar{a} \\ \bar{d} \\ -\bar{c} \end{bmatrix}$	$n\bar{a} + \bar{b} - \bar{c}/n$ $\bar{a} \cdot \bar{b}$ $\bar{a} \times \bar{b}$ $\widehat{\bar{a}, \bar{b}}$	$ A $ $nA + B$ A^{-1} B^T	$\bar{a} \cdot A$ $ A \cdot \bar{b}$ $X = A^{-1} \bar{d}$
14.	$\bar{a} = [14, 14, 14]$, $\bar{b} = [19, 19, -24]$, $\bar{c} = [14, -19, 24]$, $\bar{d} = [-14, 19, 24]$	$A = \begin{bmatrix} \bar{a} \\ \bar{b} \\ \bar{d} \end{bmatrix}, B = \begin{bmatrix} \bar{b} \\ -\bar{d} \\ \bar{c} \end{bmatrix}$	$n\bar{a} - \bar{b}/n + \bar{c}$ $\bar{a} \cdot \bar{c}$ $\bar{a} \times \bar{c}$ $\widehat{\bar{a}, \bar{c}}$	$ A $ $A - nB$ A^{-1} B^T	$\bar{b} \cdot A$ $ A \cdot \bar{c}$ $X = A^{-1} \bar{d}$
15.	$\bar{a} = [15, 15, 15]$, $\bar{b} = [20, 20, -25]$, $\bar{c} = [20, -15, 25]$, $\bar{d} = [-15, 20, 25]$	$A = \begin{bmatrix} \bar{a} \\ \bar{c} \\ \bar{d} \end{bmatrix}, B = \begin{bmatrix} \bar{b} \\ \bar{d} \\ \bar{a} \end{bmatrix}$	$n\bar{a} + \bar{d} - \bar{c}$ $\bar{a} \cdot \bar{b}$ $\bar{a} \times \bar{b}$ $\widehat{\bar{c}, \bar{b}}$	$ A $ $A + B/n$ A^{-1} B^T	$\bar{c} \cdot A$ $ A \cdot \bar{b}$ $X = A^{-1} \bar{d}$
16.	$\bar{a} = [16, 16, 16]$, $\bar{b} = [21, 21, -26]$, $\bar{c} = [21, -16, 26]$, $\bar{d} = [-16, 21, 26]$	$A = \begin{bmatrix} \bar{a} \\ \bar{c} \\ \bar{b} \end{bmatrix}, B = \begin{bmatrix} \bar{a} \\ \bar{b} \\ -\bar{d} \end{bmatrix}$	$n\bar{a} - \bar{b} + \bar{c}/n$ $\bar{c} \cdot \bar{d}$ $\bar{d} \times \bar{b}$ $\widehat{\bar{a}, \bar{d}}$	$ A $ $A - B/n$ A^{-1} B^T	$\bar{d} \cdot A$ $ A \cdot \bar{c}$ $X = A^{-1} \bar{d}$
17.	$\bar{a} = [17, 17, 17]$, $\bar{b} = [22, 22, -27]$, $\bar{c} = [22, -17, 27]$, $\bar{d} = [-17, 22, 27]$	$A = \begin{bmatrix} \bar{a} \\ \bar{b} \\ \bar{c} \end{bmatrix}, B = \begin{bmatrix} \bar{a} \\ \bar{d} \\ -\bar{c} \end{bmatrix}$	$n\bar{a} + \bar{b} - \bar{c}/n$ $\bar{a} \cdot \bar{b}$ $\bar{a} \times \bar{b}$ $\widehat{\bar{a}, \bar{b}}$	$ A $ $nA + B$ A^{-1} B^T	$\bar{a} \cdot A$ $ A \cdot \bar{b}$ $X = A^{-1} \bar{d}$
18.	$\bar{a} = [18, 18, 18]$, $\bar{b} = [23, 23, -28]$, $\bar{c} = [23, -18, 28]$, $\bar{d} = [-18, 23, 28]$	$A = \begin{bmatrix} \bar{a} \\ \bar{b} \\ \bar{d} \end{bmatrix}, B = \begin{bmatrix} \bar{b} \\ -\bar{d} \\ \bar{c} \end{bmatrix}$	$n\bar{a} - \bar{b}/n + \bar{c}$ $\bar{a} \cdot \bar{c}$ $\bar{a} \times \bar{c}$ $\widehat{\bar{a}, \bar{c}}$	$ A $ $A - nB$ A^{-1} B^T	$\bar{b} \cdot A$ $A \cdot \bar{c}$ $X = A^{-1} \bar{d}$
19.	$\bar{a} = [19, 19, 19]$, $\bar{b} = [24, 24, -29]$, $\bar{c} = [24, -19, 29]$, $\bar{d} = [-19, 24, 29]$	$A = \begin{bmatrix} \bar{a} \\ \bar{c} \\ \bar{d} \end{bmatrix}, B = \begin{bmatrix} \bar{b} \\ \bar{d} \\ \bar{a} \end{bmatrix}$	$n\bar{a} + \bar{d} - \bar{c}$ $\bar{a} \cdot \bar{b}$ $\bar{a} \times \bar{b}$ $\widehat{\bar{c}, \bar{b}}$	$ A $ $A + B/n$ A^{-1} B^T	$\bar{c} \cdot A$ $ A \cdot \bar{b}$ $X = A^{-1} \bar{d}$
20.	$\bar{a} = [20, 20, 20]$, $\bar{b} = [25, 25, -30]$, $\bar{c} = [25, -20, 30]$, $\bar{d} = [-20, 25, 30]$	$A = \begin{bmatrix} \bar{a} \\ \bar{c} \\ \bar{b} \end{bmatrix}, B = \begin{bmatrix} \bar{a} \\ \bar{b} \\ -\bar{d} \end{bmatrix}$	$n\bar{a} - \bar{b} + \bar{c}/n$ $\bar{c} \cdot \bar{d}$ $\bar{d} \times \bar{b}$ $\widehat{\bar{a}, \bar{d}}$	$ A $ $A - B/n$ A^{-1} B^T	$\bar{d} \cdot A$ $B \cdot \bar{c}$ $X = A^{-1} \bar{d}$
21.	$\bar{a} = [21, 21, 21]$, $\bar{b} = [26, 26, -31]$, $\bar{c} = [31, -26, 31]$, $\bar{d} = [-21, 26, 31]$	$A = \begin{bmatrix} \bar{a} \\ \bar{b} \\ \bar{c} \end{bmatrix}, B = \begin{bmatrix} \bar{a} \\ \bar{d} \\ -\bar{c} \end{bmatrix}$	$n\bar{a} + \bar{b} - \bar{c}/n$ $\bar{a} \cdot \bar{b}$ $\bar{a} \times \bar{b}$ $\widehat{\bar{a}, \bar{b}}$	$ A $ $nA + B$ A^{-1} B^T	$\bar{a} \cdot A$ $ A \cdot \bar{b}$ $X = A^{-1} \bar{d}$
22.	$\bar{a} = [22, 22, 22]$, $\bar{b} = [27, 27, -32]$, $\bar{c} = [22, -27, 32]$, $\bar{d} = [-22, 27, 32]$	$A = \begin{bmatrix} \bar{a} \\ \bar{b} \\ \bar{d} \end{bmatrix}, B = \begin{bmatrix} \bar{b} \\ -\bar{d} \\ \bar{c} \end{bmatrix}$	$n\bar{a} - \bar{b}/n + \bar{c}$ $\bar{a} \cdot \bar{c}$ $\bar{a} \times \bar{c}$ $\widehat{\bar{a}, \bar{c}}$	$ A $ $A - nB$ A^{-1} B^T	$\bar{b} \cdot A$ $ A \cdot \bar{c}$ $X = A^{-1} \bar{d}$
23.	$\bar{a} = [23, 23, 23]$, $\bar{b} = [28, 28, -33]$, $\bar{c} = [23, -28, 33]$, $\bar{d} = [-23, 28, 33]$	$A = \begin{bmatrix} \bar{a} \\ \bar{c} \\ \bar{d} \end{bmatrix}, B = \begin{bmatrix} \bar{b} \\ \bar{d} \\ \bar{a} \end{bmatrix}$	$n\bar{a} + \bar{d} - \bar{c}$ $\bar{a} \cdot \bar{b}$ $\bar{a} \times \bar{b}$ $\widehat{\bar{c}, \bar{b}}$	$ A $ $A + B/n$ A^{-1} B^T	$\bar{c} \cdot A$ $ A \cdot \bar{b}$ $X = A^{-1} \bar{d}$

	$\bar{a} = [24, 24, 24],$ $\bar{b} = [29, 29, -34],$ $\bar{c} = [24, -29, 34],$ $\bar{d} = [-24, 29, 34]$	$A = \begin{bmatrix} \bar{a} \\ \bar{c} \\ \bar{b} \end{bmatrix}, B = \begin{bmatrix} \bar{a} \\ \bar{b} \\ -\bar{d} \end{bmatrix}$	$n\bar{a} - \bar{b} + \bar{c}/n$ $\bar{c} \cdot \bar{d}$ $\bar{d} \times \bar{b}$ $\widehat{\bar{a}, \bar{d}}$	$ A $ $A - B/n$ A^{-1} B^T	$\bar{d} \cdot A$ $ A \cdot \bar{c}$ $X = A^{-1} \bar{d}$
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