

$$(1) \quad \begin{cases} -4a + 5b - 4c - 3x + 4y + 5z = -13 \\ -a - 4b + 2c + 5x - y + z = 11 \\ a + b - 4c + 5x + 4y + 3z = 1 \\ a - 2b + 4c + 2x - y + 4z = 8 \\ -3a + 2b + 2c - 3x - 2y + 3z = -1 \\ 4a - 2b + c + 5x + 3y + 5z = 5 \end{cases}$$

$$(2) \quad \begin{cases} -3a + 2b + 2c - d + 3x + 4y - 4z = -14 \\ -2a + 6b + 2c - 3d + 2x + 5y - 4z = -9 \\ 2a + 3b - 4c - d + 3x - 3y + 3z = 3 \\ -4a + 2b - c + 4d - x + 4y + z = 6 \\ 4a + 4b + 6c + 6d - 4x - 4y + 5z = -7 \\ 4a + 6b + 3c + 5d + x + 6y - 4z = 17 \\ 6a + 2b + 4c - 2d + x - 2y - 4z = 10 \end{cases}$$

$$(3) \quad \left\{ \begin{array}{l} -a + b + 5c + x - 4y + 3z = -17 \\ 3a - 4b - 2c + 5x - 3y + 2z = -16 \\ 5a + 3b - 2c - x - 3y + 4z = -1 \\ 3a + 3b - c + 4x + 3y + 4z = 17 \\ 4a + 5b + c - 4x + 4y + 2z = 3 \\ 2a + 4b + 3c - 4x - 2y + 5z = -13 \end{array} \right.$$

$$(4) \quad \left\{ \begin{array}{l} -3a + 3b + 6c + d + 3x - y + 2z = -5 \\ 3a + 2b + 5c - 4d + 5x + 6y + 3z = -11 \\ 3a + 4b + 2c + d - x - 2y + 2z = -17 \\ -4a + b + 2c + 5d - 2x + y - 2z = -11 \\ 5a - b + 6c - 3d + 2x + y + 5z = 2 \\ a + 4b - c + d - 3x + y + 4z = -10 \\ 5a - 2b + 4c + 5d - x + y + 2z = 22 \end{array} \right.$$

$$(5) \quad \left\{ \begin{array}{l} 2a - b - 3c - 3x + y + 5z = -3 \\ 3a + 2b + 3c + 3x - 3y + z = -4 \\ 3a - 3b - c + 2x + 5y + 4z = -6 \\ 4a + 4b - 2c + 4x - 4y - 4z = -16 \\ -2a + 5b + c + 3x + 3y + 2z = -6 \\ -a + 5b + 3c + 3x - 3y - 2z = -1 \end{array} \right.$$

$$(6) \quad \left\{ \begin{array}{l} 6a + b + 6c + 4d + 3x - 4y - z = -4 \\ a - b - c - 2d + x + 6y + 2z = -14 \\ 3a + 2b + 4c - d + 3x - 3y + 4z = 23 \\ -a + 2b + 5c + 3d - x + 4y + 3z = -13 \\ 2a + b + c - 2d - 4x - 4y + 4z = 24 \\ -a - 4b + 4c + 3d + x - 3y + 2z = -5 \\ 6a + 6b - c + 5d + 6x + 4y - 4z = 17 \end{array} \right.$$

$$(1) \begin{cases} a = -2 \\ b = 6 \\ c = 8 \\ x = 5 \\ y = 4 \\ z = -4 \end{cases}$$

$$(2) \begin{cases} a = 3 \\ b = -7 \\ c = 4 \\ d = -6 \\ x = -5 \\ y = -9 \\ z = -1 \end{cases}$$

$$(3) \begin{cases} a = -3 \\ b = 5 \\ c = -4 \\ x = 2 \\ y = 1 \\ z = -1 \end{cases}$$

$$(4) \begin{cases} a = -5 \\ b = -4 \\ c = 5 \\ d = 6 \\ x = -1 \\ y = 5 \\ z = -2 \end{cases}$$

$$(5) \begin{cases} a = -9 \\ b = -6 \\ c = -4 \\ x = 7 \\ y = -7 \\ z = 5 \end{cases}$$

$$(6) \begin{cases} a = 4 \\ b = -6 \\ c = 3 \\ d = 2 \\ x = -4 \\ y = 6 \\ z = -2 \end{cases}$$