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X Math@MUT XXXM5/1-6600311-00015XX
Matrices02 for No.10375

$$A = [7], B = [-13], C = \begin{bmatrix} 7 & 7 \\ -4 & -7 \end{bmatrix}, D = \begin{bmatrix} 5 & -7 \\ -2 & 11 \end{bmatrix}, E = \begin{bmatrix} -3 & 0 & 3 \\ -3 & -3 & -2 \\ -4 & -2 & 2 \end{bmatrix}, F = \begin{bmatrix} -2 & 3 & 2 \\ 0 & -2 & -3 \\ -3 & -4 & 4 \end{bmatrix}, \begin{cases} m = 3 \\ p = 4 \end{cases}$$

$$No09 = \left[\det \begin{pmatrix} 2 & x \\ 4 & 4 \end{pmatrix} = 20 \right], No10 = \left[\det \begin{pmatrix} -2 & 4 & 3 \\ 4 & 4 & -2 \\ y & -3 & -4 \end{pmatrix} = 132 \right], No11 = \left[G = \begin{bmatrix} -3 & -2 \\ -2 & -2 \end{bmatrix} \right]$$

$$System1 = \begin{cases} -2x + y = 12 \\ -4x - 5y = 38 \end{cases}, System2 = \begin{cases} 4x + 2y = -4 \\ 4x - 2y = -20 \end{cases}, System3 = \begin{cases} -3x - 3z = -12 \\ -y - 2z = -10 \\ -3x + 3y = -3 \end{cases}, System4 = \begin{cases} 2x + 3z = 12 \\ -x + y = -7 \\ -3y - 3z = 6 \end{cases}$$

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X Math@MUT XXXM5/1-6600311-00016XX
Matrices02 for No.10426

$$A = [-20], B = [-16], C = \begin{bmatrix} 4 & 6 \\ -3 & -2 \end{bmatrix}, D = \begin{bmatrix} 10 & 3 \\ -7 & -11 \end{bmatrix}, E = \begin{bmatrix} -2 & 3 & -3 \\ 2 & 0 & 3 \\ -3 & -4 & 4 \end{bmatrix}, F = \begin{bmatrix} -4 & 4 & -3 \\ -2 & 3 & 0 \\ -4 & 3 & -3 \end{bmatrix}, \begin{cases} m = 3 \\ p = 2 \end{cases}$$

$$No09 = \left[\det \begin{pmatrix} x & -4 \\ -3 & -2 \end{pmatrix} = -18 \right], No10 = \left[\det \begin{pmatrix} -2 & 4 & y \\ -2 & -4 & -4 \\ 2 & -3 & 2 \end{pmatrix} = -32 \right], No11 = \left[G = \begin{bmatrix} -2 & 5 \\ -5 & -2 \end{bmatrix} \right]$$

$$System1 = \begin{cases} 3x - 5y = 55 \\ -2x - y = -2 \end{cases}, System2 = \begin{cases} 5x + 3y = -25 \\ -x + y = 13 \end{cases}, System3 = \begin{cases} -3x + 2y = 2 \\ -y + z = 8 \\ 3x + z = -9 \end{cases}, System4 = \begin{cases} -2x + 3y = -2 \\ -3x - 2z = 0 \\ 3y + 2z = -6 \end{cases}$$

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X Math@MUT XXXM5/1-6600311-00023XX
Matrices02 for No.12964

$$A = [-14], B = [13], C = \begin{bmatrix} 3 & 8 \\ -4 & -5 \end{bmatrix}, D = \begin{bmatrix} 12 & 6 \\ 7 & -4 \end{bmatrix}, E = \begin{bmatrix} 4 & -2 & 3 \\ 4 & 0 & 3 \\ 2 & 4 & -4 \end{bmatrix}, F = \begin{bmatrix} 2 & 4 & 3 \\ 0 & -3 & 3 \\ -2 & 2 & 4 \end{bmatrix}, \begin{cases} m = 1 \\ p = 2 \end{cases}$$

$$No09 = \left[\det \begin{pmatrix} -4 & x \\ -3 & -4 \end{pmatrix} = 4 \right], No10 = \left[\det \begin{pmatrix} y & -3 & -3 \\ -3 & -2 & 3 \\ 2 & -4 & 3 \end{pmatrix} = -69 \right], No11 = \left[G = \begin{bmatrix} -3 & 3 \\ -3 & -5 \end{bmatrix} \right]$$

$$System1 = \begin{cases} -3x - 3y = 6 \\ -2x - y = -2 \end{cases}, \quad , System2 = \begin{cases} -5x + 3y = 25 \\ -x + 5y = -17 \end{cases}, \quad , System3 = \begin{cases} 3y - 2z = 3 \\ x - 3z = 25 \\ -2x - 3y = -5 \end{cases}, \quad , System4 = \begin{cases} -3x - 2z = 0 \\ -x - 3y = 13 \\ -y - 3z = 14 \end{cases}$$

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X Math@MUT XXXM5/1-6600311-00024XX
Matrices02 for No.12971

$$A = [-14], B = [-14], C = \begin{bmatrix} -5 & -5 \\ 6 & 6 \end{bmatrix}, D = \begin{bmatrix} 7 & -2 \\ 8 & 8 \end{bmatrix}, E = \begin{bmatrix} 2 & -3 & 0 \\ 4 & 2 & 3 \\ -4 & -4 & 3 \end{bmatrix}, F = \begin{bmatrix} 4 & 0 & 3 \\ -4 & -4 & 3 \\ 4 & -3 & -2 \end{bmatrix}, \begin{cases} m = 2 \\ p = 3 \end{cases}$$

$$No09 = \left[\det \begin{pmatrix} 3 & 2 \\ 2 & x \end{pmatrix} = 8 \right], No10 = \left[\det \begin{pmatrix} 3 & 2 & 4 \\ 2 & y & -4 \\ 2 & -2 & -3 \end{pmatrix} = -78 \right], No11 = \left[G = \begin{bmatrix} -2 & -3 \\ -5 & 3 \end{bmatrix} \right]$$

$$System1 = \begin{cases} -4x + 4y = -44 \\ -2x - y = -10 \end{cases}, \quad , System2 = \begin{cases} x + 4y = -8 \\ 5x - 4y = 56 \end{cases}, \quad , System3 = \begin{cases} 3y - 2z = -4 \\ 3x + 3z = -9 \\ -x + 2y = -16 \end{cases}, \quad , System4 = \begin{cases} 2x + 2z = -2 \\ -2x + y = 17 \\ y - 2z = -1 \end{cases}$$

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X Math@MUT XXXM5/1-6600311-00029XX
Matrices02 for No.13991

$$A = [20], B = [19], C = \begin{bmatrix} 7 & 2 \\ 2 & 6 \end{bmatrix}, D = \begin{bmatrix} -8 & -3 \\ 4 & -2 \end{bmatrix}, E = \begin{bmatrix} 4 & 3 & 4 \\ 0 & 4 & 2 \\ -2 & -3 & 4 \end{bmatrix}, F = \begin{bmatrix} 4 & 3 & -3 \\ -3 & 2 & 0 \\ -3 & 4 & 2 \end{bmatrix}, \begin{bmatrix} m = 1 \\ p = 3 \end{bmatrix}$$

$$No09 = \left[\det \begin{pmatrix} x & 3 \\ -2 & -2 \end{pmatrix} = -2 \right], No10 = \left[\det \begin{pmatrix} -4 & y & -3 \\ 3 & -4 & -3 \\ -4 & 4 & -3 \end{pmatrix} = 0 \right], No11 = \left[G = \begin{bmatrix} 2 & -5 \\ 2 & 5 \end{bmatrix} \right]$$

$$System1 = \begin{bmatrix} -3x - 3y = -9 \\ -5x + 2y = 27 \end{bmatrix}, System2 = \begin{bmatrix} x + 2y = 15 \\ x - 2y = -1 \end{bmatrix}, System3 = \begin{bmatrix} 2x - y = -1 \\ -2x - z = -12 \\ -3y + z = -7 \end{bmatrix}, System4 = \begin{bmatrix} -y - 3z = -1 \\ -x - 2y = -8 \\ 2x + 3z = -18 \end{bmatrix}$$

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X Math@MUT XXXM5/1-6600311-00030XX
Matrices02 for No.14005

$$A = [-18], B = [-20], C = \begin{bmatrix} 3 & 3 \\ 6 & -5 \end{bmatrix}, D = \begin{bmatrix} 7 & 7 \\ -9 & 11 \end{bmatrix}, E = \begin{bmatrix} -2 & 2 & 3 \\ -4 & 3 & 3 \\ -2 & 3 & 0 \end{bmatrix}, F = \begin{bmatrix} 3 & 3 & 3 \\ 0 & 4 & -3 \\ -4 & -3 & -3 \end{bmatrix}, \begin{bmatrix} m = 1 \\ p = 2 \end{bmatrix}$$

$$No09 = \left[\det \begin{pmatrix} 3 & -3 \\ x & 2 \end{pmatrix} = 0 \right], No10 = \left[\det \begin{pmatrix} -4 & 3 & -4 \\ 4 & y & -4 \\ 4 & -3 & -4 \end{pmatrix} = -32 \right], No11 = \left[G = \begin{bmatrix} 2 & 2 \\ -2 & 2 \end{bmatrix} \right]$$

$$System1 = \begin{bmatrix} -4x + 3y = -8 \\ 5x - 4y = 12 \end{bmatrix}, System2 = \begin{bmatrix} 3x + 3y = 6 \\ 4x + y = -13 \end{bmatrix}, System3 = \begin{bmatrix} -2x - z = -10 \\ -2x - 3y = -10 \\ 3y + z = -12 \end{bmatrix}, System4 = \begin{bmatrix} -x - 3z = -8 \\ x - 3y = -25 \\ y - z = 1 \end{bmatrix}$$

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