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Matrices02 for No.9395

$$A = [-12], B = [-20], C = \begin{bmatrix} -2 & -6 \\ 2 & -2 \end{bmatrix}, \mathrm{D} = \begin{bmatrix} -8 & -12 \\ -8 & -11 \end{bmatrix}, E = \begin{bmatrix} 3 & -2 & 2 \\ -2 & -2 & 0 \\ 2 & 4 & 2 \end{bmatrix}, F = \begin{bmatrix} -2 & -3 & 3 \\ 3 & 4 & -3 \\ 0 & 4 & 3 \end{bmatrix}, \begin{bmatrix} m = 1 \\ p = 2 \end{bmatrix}$$

$$No09 = \left[\det\left(\begin{bmatrix} 3 & x \\ -4 & 3 \end{bmatrix}\right) = 1 \right], No10 = \left[\det\left(\begin{bmatrix} 2 & 3 & -3 \\ 4 & -3 & -3 \\ -2 & y & 3 \end{bmatrix}\right) = -6 \right], No11 = \left[G = \begin{bmatrix} -2 & -5 \\ 5 & 5 \end{bmatrix} \right]$$

$$System1 = \begin{bmatrix} 4x - 5y = -17 \\ -5x + 4y = 10 \end{bmatrix}, \quad , System2 = \begin{bmatrix} 2x - 4y = -28 \\ -2x - y = 8 \end{bmatrix}, \quad , System3 = \begin{bmatrix} -x + 2y = 0 \\ y - 3z = -5 \\ -2x - 2z = -22 \end{bmatrix}, \quad , System4 = \begin{bmatrix} y - 2z = 19 \\ -3x + 3y = 15 \\ -3x + z = -2 \end{bmatrix}$$

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Matrices02 for No.9419

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

$$No09 = \left[\det\left(\begin{bmatrix} 3 & -4 \\ x & -4 \end{bmatrix}\right) = 0 \right], No10 = \left[\det\left(\begin{bmatrix} 3 & y & -3 \\ 2 & -2 & -2 \\ -3 & -3 & -3 \end{bmatrix}\right) = 60 \right], No11 = \left[G = \begin{bmatrix} 4 & 4 \\ -3 & -2 \end{bmatrix} \right]$$

$$System1 = \begin{bmatrix} -x - 5y = -12 \\ -5x + 3y = 52 \end{bmatrix}, \quad , System2 = \begin{bmatrix} -5x + 2y = 4 \\ -5x - 5y = 25 \end{bmatrix}, \quad , System3 = \begin{bmatrix} -y + z = -2 \\ -3x - 2y = 7 \\ -2x + 2z = 14 \end{bmatrix}, \quad , System4 = \begin{bmatrix} -x - 2z = 13 \\ 2y - 3z = 11 \\ -2x - 3y = 12 \end{bmatrix}$$

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Matrices02 for No.9428

$$A = [\ 14],\ B = [-12],\ C = \begin{bmatrix} 3 & -7 \\ -4 & 4 \end{bmatrix},\ \mathrm{D} = \begin{bmatrix} 2 & 3 \\ -10 & -3 \end{bmatrix},\ E = \begin{bmatrix} -3 & -2 & -2 \\ 4 & 4 & 0 \\ 3 & 3 & -3 \end{bmatrix},\ F = \begin{bmatrix} -3 & 0 & 2 \\ -3 & 4 & 4 \\ -2 & -2 & -4 \end{bmatrix},\ \begin{bmatrix} m = 2 \\ p = 1 \end{bmatrix}$$

$$No09 = \left[\det\left(\begin{bmatrix} -2 & -2 \\ x & 4 \end{bmatrix}\right) = -12 \right],\ No10 = \left[\det\left(\begin{bmatrix} 4 & -4 & y \\ -2 & 3 & 3 \\ 3 & -2 & -4 \end{bmatrix}\right) = -48 \right],\ No11 = \left[G = \begin{bmatrix} 3 & 4 \\ -5 & -2 \end{bmatrix} \right]$$

$$System1 = \begin{bmatrix} -2\,x + y = -10 \\ -2\,x + 3\,y = -22 \end{bmatrix},\quad ,System2 = \begin{bmatrix} x - 3\,y = -17 \\ 5\,x - 3\,y = -1 \end{bmatrix},\quad ,System3 = \begin{bmatrix} y - 3\,z = 1 \\ -2\,x + 3\,y = -10 \\ x - z = -4 \end{bmatrix},\quad ,System4 = \begin{bmatrix} -x - 3\,y = 1 \\ 3\,y - z = -2 \\ -x - 2\,z = -9 \end{bmatrix}$$

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Matrices02 for No.9459

$$A = [\ -7],\ B = [-21],\ C = \begin{bmatrix} 6 & 8 \\ 4 & 3 \end{bmatrix},\ \mathrm{D} = \begin{bmatrix} -12 & -12 \\ 6 & -9 \end{bmatrix},\ E = \begin{bmatrix} 2 & -4 & 0 \\ -3 & 4 & -3 \\ 3 & 3 & 2 \end{bmatrix},\ F = \begin{bmatrix} -2 & 0 & 2 \\ -2 & -3 & -2 \\ 4 & -3 & 4 \end{bmatrix},\ \begin{bmatrix} m = 2 \\ p = 4 \end{bmatrix}$$

$$No09 = \left[\det\left(\begin{bmatrix} -3 & -4 \\ x & 2 \end{bmatrix}\right) = 2 \right],\ No10 = \left[\det\left(\begin{bmatrix} -2 & 2 & 3 \\ 2 & 4 & 4 \\ y & 2 & -2 \end{bmatrix}\right) = 36 \right],\ No11 = \left[G = \begin{bmatrix} -5 & 2 \\ -3 & 4 \end{bmatrix} \right]$$

$$System1 = \begin{bmatrix} -3\,x - 4\,y = 14 \\ 2\,x - 4\,y = 24 \end{bmatrix},\quad ,System2 = \begin{bmatrix} -2\,x + y = 4 \\ -3\,x - 2\,y = 27 \end{bmatrix},\quad ,System3 = \begin{bmatrix} 3\,x - y = -16 \\ 2\,y + 2\,z = -2 \\ 3\,x + 3\,z = -9 \end{bmatrix},\quad ,System4 = \begin{bmatrix} 2\,y + z = -3 \\ -3\,x + 2\,y = -8 \\ 3\,x + 2\,z = -2 \end{bmatrix}$$

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Matrices02 for No.9476

$$A=[-16],\ B=[-11],\ C=\begin{bmatrix}-3 & -4\\ 8 & 2\end{bmatrix},\ \mathrm{D}=\begin{bmatrix}11 & -3\\ 6 & 2\end{bmatrix},\ E=\begin{bmatrix}-3 & 0 & 4\\ -2 & -2 & 4\\ 2 & -3 & 4\end{bmatrix},\ F=\begin{bmatrix}3 & -4 & 0\\ 4 & 2 & -3\\ 3 & -2 & -2\end{bmatrix},\ \begin{bmatrix}m=4\\ p=2\end{bmatrix}$$

$$No09=\left[\det\left(\begin{bmatrix}3 & x\\ -4 & -4\end{bmatrix}\right)=0\right],\ No10=\left[\det\left(\begin{bmatrix}2 & -3 & 2\\ y & -4 & 2\\ 3 & 2 & 4\end{bmatrix}\right)=-66\right],\ No11=\left[G=\begin{bmatrix}4 & 4\\ 3 & -5\end{bmatrix}\right]$$

$$System1=\begin{bmatrix}-x+4\,y=-22\\ 4\,x+5\,y=-17\end{bmatrix},\quad ,\ System2=\begin{bmatrix}-2\,x-3\,y=-16\\ -x+y=2\end{bmatrix},\quad ,\ System3=\begin{bmatrix}2\,y-3\,z=6\\ x+z=-2\\ -x-2\,y=-8\end{bmatrix},\quad ,\ System4=\begin{bmatrix}-3\,x-y=3\\ 2\,y+2\,z=20\\ 2\,x+z=-2\end{bmatrix}$$

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Matrices02 for No.9491

$$A=[\ 20],\ B=[-13],\ C=\begin{bmatrix}-7 & 8\\ 5 & 6\end{bmatrix},\ \mathrm{D}=\begin{bmatrix}-7 & 11\\ 9 & -10\end{bmatrix},\ E=\begin{bmatrix}-2 & 3 & -4\\ 4 & 4 & 0\\ -3 & -4 & 4\end{bmatrix},\ F=\begin{bmatrix}3 & -3 & -2\\ -2 & 3 & 2\\ -4 & 0 & 3\end{bmatrix},\ \begin{bmatrix}m=1\\ p=2\end{bmatrix}$$

$$No09=\left[\det\left(\begin{bmatrix}-4 & 3\\ x & -4\end{bmatrix}\right)=4\right],\ No10=\left[\det\left(\begin{bmatrix}2 & -4 & y\\ -3 & -4 & -3\\ -3 & 4 & 2\end{bmatrix}\right)=-100\right],\ No11=\left[G=\begin{bmatrix}3 & -2\\ 4 & 5\end{bmatrix}\right]$$

$$System1=\begin{bmatrix}-4\,x+y=-36\\ -2\,x-y=-12\end{bmatrix},\quad ,\ System2=\begin{bmatrix}4\,x-y=26\\ 5\,x+y=28\end{bmatrix},\quad ,\ System3=\begin{bmatrix}2\,y-3\,z=7\\ x-y=-6\\ -3\,x+2\,z=0\end{bmatrix},\quad ,\ System4=\begin{bmatrix}-x-z=12\\ x-y=-7\\ 2\,y+z=-2\end{bmatrix}$$

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Matrices02 for No.9633

$$A = [\,12],\ B = [\,17],\ C = \begin{bmatrix} 4 & -3 \\ -7 & 7 \end{bmatrix},\ \mathrm{D} = \begin{bmatrix} 8 & 6 \\ -3 & -4 \end{bmatrix},\ E = \begin{bmatrix} -3 & -2 & -2 \\ 4 & 0 & 3 \\ -3 & 4 & 2 \end{bmatrix},\ F = \begin{bmatrix} 3 & 0 & 2 \\ 3 & 3 & -4 \\ 4 & 4 & 4 \end{bmatrix},\ \begin{bmatrix} m = 1 \\ p = 2 \end{bmatrix}$$

$$No09 = \left[\det\left(\begin{bmatrix} -2 & x \\ 2 & 2 \end{bmatrix}\right) = 2 \right],\ No10 = \left[\det\left(\begin{bmatrix} -2 & 2 & -3 \\ y & 4 & 4 \\ 2 & -3 & 4 \end{bmatrix}\right) = -19 \right],\ No11 = \left[G = \begin{bmatrix} 4 & 3 \\ 2 & 4 \end{bmatrix} \right]$$

$$System1 = \begin{bmatrix} 3\,x + y = -13 \\ -4\,x + 4\,y = -20 \end{bmatrix},\quad ,\ System2 = \begin{bmatrix} -x - 5\,y = -28 \\ -3\,x + y = -4 \end{bmatrix},\quad ,\ System3 = \begin{bmatrix} 2\,x - y = -8 \\ 2\,y - z = -6 \\ -2\,x + z = 10 \end{bmatrix},\quad ,\ System4 = \begin{bmatrix} -2\,x + 3\,y = 5 \\ -3\,y + 3\,z = 3 \\ -x + 2\,z = 3 \end{bmatrix}$$

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Matrices02 for No.9711

$$A = [\,11],\ B = [\,22],\ C = \begin{bmatrix} 7 & 7 \\ -8 & 2 \end{bmatrix},\ \mathrm{D} = \begin{bmatrix} -3 & 10 \\ 4 & 12 \end{bmatrix},\ E = \begin{bmatrix} -2 & 2 & -3 \\ 2 & -4 & -3 \\ 0 & -3 & 3 \end{bmatrix},\ F = \begin{bmatrix} -3 & 0 & -2 \\ -4 & -2 & -4 \\ -4 & -3 & 3 \end{bmatrix},\ \begin{bmatrix} m = 1 \\ p = 3 \end{bmatrix}$$

$$No09 = \left[\det\left(\begin{bmatrix} -2 & x \\ 3 & 2 \end{bmatrix}\right) = 8 \right],\ No10 = \left[\det\left(\begin{bmatrix} y & -4 & -3 \\ 3 & -4 & 3 \\ -4 & 2 & 2 \end{bmatrix}\right) = 74 \right],\ No11 = \left[G = \begin{bmatrix} -2 & 3 \\ 3 & 5 \end{bmatrix} \right]$$

$$System1 = \begin{bmatrix} 3\,x + 4\,y = 20 \\ -4\,x + 3\,y = 40 \end{bmatrix},\quad ,\ System2 = \begin{bmatrix} 2\,x - 2\,y = 12 \\ -5\,x + 3\,y = -26 \end{bmatrix},\quad ,\ System3 = \begin{bmatrix} -x + 2\,y = -17 \\ 2\,y + 3\,z = 2 \\ 3\,x - 3\,z = 9 \end{bmatrix},\quad ,\ System4 = \begin{bmatrix} 3\,x - 2\,y = -15 \\ -x + z = 11 \\ -3\,y - z = 5 \end{bmatrix}$$

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Matrices02 for No.9784

$$A = [\,21],\ B = [-13],\ C = \begin{bmatrix} -7 & -3 \\ 2 & -8 \end{bmatrix},\ \mathrm{D} = \begin{bmatrix} -6 & -4 \\ -9 & -2 \end{bmatrix},\ E = \begin{bmatrix} -2 & -4 & 4 \\ -4 & 4 & -4 \\ 0 & 3 & -2 \end{bmatrix},\ F = \begin{bmatrix} -2 & 3 & 0 \\ 3 & -4 & 4 \\ 4 & 3 & 3 \end{bmatrix},\ \begin{bmatrix} m = 2 \\ p = 1 \end{bmatrix}$$

$$No09 = \left[\ \det\left(\begin{bmatrix} -2 & 2 \\ -4 & x \end{bmatrix}\right) = 14\ \right],\ No10 = \left[\ \det\left(\begin{bmatrix} y & -2 & -2 \\ -3 & -4 & 2 \\ -3 & -2 & -4 \end{bmatrix}\right) = 8\ \right],\ No11 = \left[\ G = \begin{bmatrix} -2 & -5 \\ -3 & 3 \end{bmatrix}\right]$$

$$System1 = \begin{bmatrix} 4\,x + 3\,y = -6 \\ 3\,x - 4\,y = 33 \end{bmatrix},\quad ,\ System2 = \begin{bmatrix} 2\,x + y = -2 \\ 5\,x - 3\,y = 28 \end{bmatrix},\quad ,\ System3 = \begin{bmatrix} y + 2\,z = -7 \\ 2\,x - y = -11 \\ 2\,x - z = -12 \end{bmatrix},\quad ,\ System4 = \begin{bmatrix} -2\,x - 2\,z = 4 \\ -2\,x - 2\,y = 6 \\ 2\,y - 3\,z = -8 \end{bmatrix}$$

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Matrices02 for No.10143

$$A = [\,18],\ B = [-17],\ C = \begin{bmatrix} 7 & 4 \\ 5 & -4 \end{bmatrix},\ \mathrm{D} = \begin{bmatrix} 12 & 11 \\ -4 & 12 \end{bmatrix},\ E = \begin{bmatrix} 4 & 0 & 2 \\ 2 & 4 & 3 \\ -4 & 4 & 4 \end{bmatrix},\ F = \begin{bmatrix} -3 & 2 & 0 \\ -4 & 4 & 3 \\ -4 & -4 & 3 \end{bmatrix},\ \begin{bmatrix} m = 2 \\ p = 4 \end{bmatrix}$$

$$No09 = \left[\ \det\left(\begin{bmatrix} x & -4 \\ 4 & 4 \end{bmatrix}\right) = 32\ \right],\ No10 = \left[\ \det\left(\begin{bmatrix} 2 & 2 & 3 \\ y & -4 & 2 \\ -4 & 4 & -2 \end{bmatrix}\right) = 0\ \right],\ No11 = \left[\ G = \begin{bmatrix} 4 & 5 \\ 4 & 4 \end{bmatrix}\right]$$

$$System1 = \begin{bmatrix} -4\,x - y = 17 \\ -2\,x + 5\,y = 25 \end{bmatrix},\quad ,\ System2 = \begin{bmatrix} 3\,x + 4\,y = 41 \\ 5\,x - 2\,y = -1 \end{bmatrix},\quad ,\ System3 = \begin{bmatrix} -2\,x - 3\,z = 0 \\ -3\,y + z = -2 \\ 2\,x + 2\,y = -8 \end{bmatrix},\quad ,\ System4 = \begin{bmatrix} 2\,x - y = 8 \\ y - 2\,z = 8 \\ -2\,x - 3\,z = -6 \end{bmatrix}$$

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Matrices02 for No.10359

$$A = [-23],\ B = [-16],\ C = \begin{bmatrix} -7 & 6 \\ -8 & 4 \end{bmatrix},\ D = \begin{bmatrix} 3 & -6 \\ -7 & -6 \end{bmatrix},\ E = \begin{bmatrix} -2 & 2 & -4 \\ -3 & 0 & -4 \\ -3 & -4 & 4 \end{bmatrix},\ F = \begin{bmatrix} -3 & 0 & 3 \\ 4 & 3 & 4 \\ -4 & 3 & 4 \end{bmatrix},\ \begin{bmatrix} m = 2 \\ p = 4 \end{bmatrix}$$

$$No09 = \left[\det\left(\begin{bmatrix} 4 & x \\ 4 & 2 \end{bmatrix}\right) = -8 \right],\ No10 = \left[\det\left(\begin{bmatrix} 2 & 2 & -3 \\ -4 & 2 & 2 \\ -3 & y & 4 \end{bmatrix}\right) = -6 \right],\ No11 = \left[G = \begin{bmatrix} 2 & 2 \\ -5 & 4 \end{bmatrix} \right]$$

$$System1 = \begin{bmatrix} 5x + 4y = 42 \\ x + y = 9 \end{bmatrix},\quad System2 = \begin{bmatrix} -3x + 3y = 12 \\ -x - 3y = 16 \end{bmatrix},\quad System3 = \begin{bmatrix} -3x + y = -17 \\ y - z = -13 \\ 3x - 3z = -6 \end{bmatrix},\quad System4 = \begin{bmatrix} x - z = -1 \\ 2y - 3z = 19 \\ 2x + 3y = 7 \end{bmatrix}$$

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Matrices02 for No.10626

$$A = [15],\ B = [17],\ C = \begin{bmatrix} -5 & -6 \\ -6 & -5 \end{bmatrix},\ D = \begin{bmatrix} -11 & -2 \\ 5 & -2 \end{bmatrix},\ E = \begin{bmatrix} 4 & -3 & -3 \\ 2 & -2 & -2 \\ -4 & -4 & 0 \end{bmatrix},\ F = \begin{bmatrix} 3 & -2 & -4 \\ -3 & -4 & -3 \\ 3 & 0 & 3 \end{bmatrix},\ \begin{bmatrix} m = 1 \\ p = 4 \end{bmatrix}$$

$$No09 = \left[\det\left(\begin{bmatrix} -2 & 2 \\ x & -2 \end{bmatrix}\right) = 8 \right],\ No10 = \left[\det\left(\begin{bmatrix} 2 & -4 & 3 \\ -3 & -2 & 3 \\ 4 & y & -3 \end{bmatrix}\right) = -6 \right],\ No11 = \left[G = \begin{bmatrix} 2 & 4 \\ -3 & -4 \end{bmatrix} \right]$$

$$System1 = \begin{bmatrix} -4x + y = -26 \\ 2x - 2y = 22 \end{bmatrix},\quad System2 = \begin{bmatrix} 5x + y = 14 \\ 4x - 2y = 0 \end{bmatrix},\quad System3 = \begin{bmatrix} x - z = -8 \\ 2x + y = -8 \\ y - 3z = -17 \end{bmatrix},\quad System4 = \begin{bmatrix} 2y - 3z = -1 \\ x + 2z = -12 \\ -x - 2y = 16 \end{bmatrix}$$

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Matrices02 for No.11002

$$A = [-10],\ B = [\ 11],\ C = \begin{bmatrix} -8 & 8 \\ -6 & 2 \end{bmatrix},\ \mathrm{D} = \begin{bmatrix} -4 & -10 \\ 10 & 5 \end{bmatrix},\ E = \begin{bmatrix} -4 & 2 & 2 \\ -3 & -4 & 0 \\ -4 & -3 & 3 \end{bmatrix},\ F = \begin{bmatrix} -4 & 0 & -4 \\ 2 & 2 & 3 \\ -3 & 3 & -3 \end{bmatrix},\ \begin{bmatrix} m = 4 \\ p = 2 \end{bmatrix}$$

$$No09 = \left[\det\left(\begin{bmatrix} x & 2 \\ -2 & -3 \end{bmatrix}\right) = -8 \right],\ No10 = \left[\det\left(\begin{bmatrix} -3 & -2 & 4 \\ -3 & -4 & -4 \\ -4 & y & -2 \end{bmatrix}\right) = -12 \right],\ No11 = \left[G = \begin{bmatrix} -4 & 4 \\ 3 & -2 \end{bmatrix} \right]$$

$$System1 = \begin{bmatrix} -2\,x - 5\,y = 13 \\ 5\,x + 3\,y = 15 \end{bmatrix},\quad ,\ System2 = \begin{bmatrix} -x - 4\,y = -26 \\ 4\,x + y = 29 \end{bmatrix},\quad ,\ System3 = \begin{bmatrix} 3\,y - z = -26 \\ x + y = -5 \\ 3\,x - 2\,z = -4 \end{bmatrix},\quad ,\ System4 = \begin{bmatrix} -2\,x - 2\,y = 4 \\ -y - 2\,z = 3 \\ 3\,x - 2\,z = -13 \end{bmatrix}$$

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Matrices02 for No.11188

$$A = [-21],\ B = [-19],\ C = \begin{bmatrix} -7 & -6 \\ 6 & -7 \end{bmatrix},\ \mathrm{D} = \begin{bmatrix} -2 & -5 \\ 11 & 9 \end{bmatrix},\ E = \begin{bmatrix} -2 & -3 & -4 \\ 4 & -2 & 2 \\ 0 & -4 & 4 \end{bmatrix},\ F = \begin{bmatrix} 4 & 0 & -3 \\ 2 & 4 & -4 \\ -4 & -2 & 2 \end{bmatrix},\ \begin{bmatrix} m = 1 \\ p = 2 \end{bmatrix}$$

$$No09 = \left[\det\left(\begin{bmatrix} x & 3 \\ 2 & -3 \end{bmatrix}\right) = 6 \right],\ No10 = \left[\det\left(\begin{bmatrix} -4 & 2 & -3 \\ 2 & y & -4 \\ -3 & 3 & 4 \end{bmatrix}\right) = 42 \right],\ No11 = \left[G = \begin{bmatrix} 2 & -4 \\ 5 & -2 \end{bmatrix} \right]$$

$$System1 = \begin{bmatrix} -3\,x - 3\,y = 3 \\ -5\,x + 3\,y = 45 \end{bmatrix},\quad ,\ System2 = \begin{bmatrix} 2\,x + y = -12 \\ -4\,x - y = 28 \end{bmatrix},\quad ,\ System3 = \begin{bmatrix} 2\,x - 3\,y = -11 \\ x + 2\,z = -4 \\ -3\,y - 3\,z = -6 \end{bmatrix},\quad ,\ System4 = \begin{bmatrix} 2\,y - 2\,z = 22 \\ -3\,x + y = -4 \\ -3\,x - z = -3 \end{bmatrix}$$

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Matrices02 for No.11505

$$A = [-12], B = [\ 21], C = \begin{bmatrix} -4 & 2 \\ 5 & -2 \end{bmatrix}, \mathrm{D} = \begin{bmatrix} -11 & -7 \\ 2 & 7 \end{bmatrix}, E = \begin{bmatrix} 4 & 4 & 4 \\ 4 & 4 & 0 \\ -4 & 4 & -4 \end{bmatrix}, F = \begin{bmatrix} -4 & -3 & 2 \\ -4 & 4 & 0 \\ 4 & -2 & -2 \end{bmatrix}, \begin{bmatrix} m = 3 \\ p = 1 \end{bmatrix}$$

$$No09 = \left[\det\left(\begin{bmatrix} -2 & 3 \\ -4 & x \end{bmatrix}\right) = 16 \right], No10 = \left[\det\left(\begin{bmatrix} 3 & 2 & 2 \\ 3 & 4 & -3 \\ -3 & y & 4 \end{bmatrix}\right) = 126 \right], No11 = \left[G = \begin{bmatrix} 5 & 4 \\ -4 & 3 \end{bmatrix} \right]$$

$$System1 = \begin{bmatrix} 2x + y = 6 \\ -4x + y = -36 \end{bmatrix}, \quad , System2 = \begin{bmatrix} -4x + 5y = 13 \\ x - 3y = 2 \end{bmatrix}, \quad , System3 = \begin{bmatrix} -x - y = -2 \\ 2x + 3z = 1 \\ -3y - z = -21 \end{bmatrix}, \quad , System4 = \begin{bmatrix} -2x - 3y = 2 \\ x - z = -4 \\ 3y + z = 9 \end{bmatrix}$$

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Matrices02 for No.12113

$$A = [-20], B = [\ \ 8], C = \begin{bmatrix} 3 & -8 \\ 4 & -8 \end{bmatrix}, \mathrm{D} = \begin{bmatrix} 6 & 9 \\ -4 & -3 \end{bmatrix}, E = \begin{bmatrix} 0 & 4 & 4 \\ 3 & 2 & -2 \\ -3 & -4 & 3 \end{bmatrix}, F = \begin{bmatrix} 4 & 0 & 4 \\ 2 & -4 & -4 \\ 4 & 3 & -4 \end{bmatrix}, \begin{bmatrix} m = 1 \\ p = 2 \end{bmatrix}$$

$$No09 = \left[\det\left(\begin{bmatrix} 4 & 4 \\ -4 & x \end{bmatrix}\right) = 0 \right], No10 = \left[\det\left(\begin{bmatrix} y & -4 & -2 \\ 3 & -3 & 3 \\ 3 & 2 & 3 \end{bmatrix}\right) = -60 \right], No11 = \left[G = \begin{bmatrix} 3 & 5 \\ -5 & 5 \end{bmatrix} \right]$$

$$System1 = \begin{bmatrix} -x + 2y = -13 \\ 4x + 4y = -44 \end{bmatrix}, \quad , System2 = \begin{bmatrix} x + 4y = -11 \\ x - 4y = 5 \end{bmatrix}, \quad , System3 = \begin{bmatrix} -y - z = -5 \\ -x + 3z = -11 \\ 3x + y = 14 \end{bmatrix}, \quad , System4 = \begin{bmatrix} -2x + z = -15 \\ -y - 3z = 19 \\ -x + 3y = 2 \end{bmatrix}$$

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Matrices02 for No.12541

$$A = [\ 11],\ B = [-14],\ C = \begin{bmatrix} -4 & 8 \\ 5 & 4 \end{bmatrix},\ \mathrm{D} = \begin{bmatrix} 4 & 8 \\ -2 & 8 \end{bmatrix},\ E = \begin{bmatrix} -4 & -3 & -3 \\ -3 & 3 & -4 \\ 0 & 3 & 4 \end{bmatrix},\ F = \begin{bmatrix} -4 & -2 & -2 \\ 0 & 3 & 4 \\ -4 & 4 & 4 \end{bmatrix},\ \begin{bmatrix} m = 1 \\ p = 3 \end{bmatrix}$$

$$No09 = \left[\ \det\left(\begin{bmatrix} 3 & 3 \\ -4 & x \end{bmatrix}\right) = 18\ \right],\ No10 = \left[\ \det\left(\begin{bmatrix} 2 & -2 & y \\ 4 & 3 & -3 \\ 3 & 2 & -4 \end{bmatrix}\right) = -29\ \right],\ No11 = \left[\ G = \begin{bmatrix} 3 & -2 \\ 4 & -3 \end{bmatrix}\right]$$

$$System1 = \begin{bmatrix} -3\,x - 4\,y = 29 \\ 5\,x + y = -20 \end{bmatrix},\quad ,\ System2 = \begin{bmatrix} 4\,x - 4\,y = 48 \\ -3\,x - 4\,y = 20 \end{bmatrix},\quad ,\ System3 = \begin{bmatrix} 3\,x - z = -22 \\ y + 2\,z = 13 \\ x + y = -1 \end{bmatrix},\quad ,\ System4 = \begin{bmatrix} -3\,x - 3\,y = -3 \\ -3\,y + 3\,z = 9 \\ -x + z = 8 \end{bmatrix}$$

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Matrices02 for No.12590

$$A = [-23],\ B = [-21],\ C = \begin{bmatrix} -6 & -6 \\ 2 & -5 \end{bmatrix},\ \mathrm{D} = \begin{bmatrix} 11 & 8 \\ 2 & -6 \end{bmatrix},\ E = \begin{bmatrix} 2 & -3 & 4 \\ 2 & -2 & 2 \\ 3 & 4 & 0 \end{bmatrix},\ F = \begin{bmatrix} 2 & 2 & 3 \\ -4 & 4 & -4 \\ 0 & -3 & -2 \end{bmatrix},\ \begin{bmatrix} m = 2 \\ p = 3 \end{bmatrix}$$

$$No09 = \left[\ \det\left(\begin{bmatrix} 3 & -3 \\ -3 & x \end{bmatrix}\right) = -21\ \right],\ No10 = \left[\ \det\left(\begin{bmatrix} -4 & -2 & y \\ -4 & 3 & 3 \\ -2 & -4 & 4 \end{bmatrix}\right) = -28\ \right],\ No11 = \left[\ G = \begin{bmatrix} -4 & -2 \\ 3 & 4 \end{bmatrix}\right]$$

$$System1 = \begin{bmatrix} 4\,x + 5\,y = -27 \\ 5\,x + y = 3 \end{bmatrix},\quad ,\ System2 = \begin{bmatrix} -x + 3\,y = -12 \\ -5\,x + 3\,y = -36 \end{bmatrix},\quad ,\ System3 = \begin{bmatrix} 2\,y + z = 17 \\ 3\,x - 3\,z = 6 \\ 2\,x - y = 3 \end{bmatrix},\quad ,\ System4 = \begin{bmatrix} 2\,x - 3\,y = -13 \\ x - 3\,z = -20 \\ 2\,y - z = 0 \end{bmatrix}$$

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Matrices02 for No.12621

$$A = [-16],\ B = [\ 17],\ C = \begin{bmatrix} 7 & -8 \\ 3 & -8 \end{bmatrix},\ \mathrm{D} = \begin{bmatrix} -12 & 9 \\ -9 & 7 \end{bmatrix},\ E = \begin{bmatrix} -2 & 3 & 4 \\ -4 & 0 & 3 \\ 4 & -3 & 4 \end{bmatrix},\ F = \begin{bmatrix} -2 & 0 & 3 \\ 3 & 2 & 2 \\ -4 & 2 & 2 \end{bmatrix},\ \begin{bmatrix} m = 4 \\ p = 1 \end{bmatrix}$$

$$No09 = \left[\det\left(\begin{bmatrix} 3 & 2 \\ 2 & x \end{bmatrix}\right) = -10 \right],\ No10 = \left[\det\left(\begin{bmatrix} 4 & -2 & -4 \\ -2 & 4 & -2 \\ y & -2 & -3 \end{bmatrix}\right) = -148 \right],\ No11 = \left[G = \begin{bmatrix} 4 & -5 \\ 2 & -2 \end{bmatrix} \right]$$

$$System1 = \begin{bmatrix} -5\,x - 2\,y = 30 \\ 4\,x - 3\,y = -1 \end{bmatrix},\quad ,\ System2 = \begin{bmatrix} x + y = 12 \\ 2\,x + y = 20 \end{bmatrix},\quad ,\ System3 = \begin{bmatrix} y + 2\,z = 4 \\ -3\,x + 2\,z = 21 \\ -x + 3\,y = -1 \end{bmatrix},\quad ,\ System4 = \begin{bmatrix} 2\,y - 2\,z = -8 \\ x + 3\,z = -15 \\ -2\,x + 2\,y = -2 \end{bmatrix}$$

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Matrices02 for No.12641

$$A = [-23],\ B = [\ 10],\ C = \begin{bmatrix} 2 & 2 \\ 5 & 3 \end{bmatrix},\ \mathrm{D} = \begin{bmatrix} 10 & -10 \\ 11 & 11 \end{bmatrix},\ E = \begin{bmatrix} 3 & -2 & 2 \\ 2 & 0 & -3 \\ -3 & 2 & 4 \end{bmatrix},\ F = \begin{bmatrix} -4 & 2 & 0 \\ -2 & -2 & -3 \\ -4 & 4 & 3 \end{bmatrix},\ \begin{bmatrix} m = 1 \\ p = 2 \end{bmatrix}$$

$$No09 = \left[\det\left(\begin{bmatrix} x & 3 \\ -3 & 2 \end{bmatrix}\right) = 13 \right],\ No10 = \left[\det\left(\begin{bmatrix} 4 & -3 & 3 \\ -2 & 2 & -3 \\ -2 & -2 & y \end{bmatrix}\right) = -26 \right],\ No11 = \left[G = \begin{bmatrix} -4 & 2 \\ -3 & 5 \end{bmatrix} \right]$$

$$System1 = \begin{bmatrix} -5\,x + 4\,y = 12 \\ -2\,x - 2\,y = -24 \end{bmatrix},\quad ,\ System2 = \begin{bmatrix} -x + y = -10 \\ 4\,x - 3\,y = 33 \end{bmatrix},\quad ,\ System3 = \begin{bmatrix} -x - z = -6 \\ -2\,x - 3\,y = -19 \\ y - z = 1 \end{bmatrix},\quad ,\ System4 = \begin{bmatrix} -2\,x - z = -11 \\ -3\,y - z = 21 \\ 2\,x + 2\,y = 2 \end{bmatrix}$$

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Matrices02 for No.12674

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

$$No09=\left[\det\left(\begin{bmatrix}2 & x\\ -4 & -2\end{bmatrix}\right)=8\right],\ No10=\left[\det\left(\begin{bmatrix}-3 & 4 & -2\\ 4 & -3 & 4\\ y & -4 & 3\end{bmatrix}\right)=-57\right],\ No11=\left[G=\begin{bmatrix}3 & 4\\ -5 & -3\end{bmatrix}\right]$$

$$System1=\begin{bmatrix}-3x+4y=-4\\ 3x+4y=44\end{bmatrix},\ System2=\begin{bmatrix}-x+4y=26\\ 2x-y=-3\end{bmatrix},\ System3=\begin{bmatrix}-2x-2z=-10\\ -3x+2y=3\\ 2y-3z=6\end{bmatrix},\ System4=\begin{bmatrix}-3x+y=-10\\ 3y+z=1\\ x-z=9\end{bmatrix}$$

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Matrices02 for No.12728

$$A=[\ 19],\ B=[\ 15],\ C=\begin{bmatrix}-7 & 2\\ 4 & -2\end{bmatrix},\ D=\begin{bmatrix}-12 & -6\\ -4 & 4\end{bmatrix},\ E=\begin{bmatrix}0 & -2 & 3\\ -2 & 4 & -4\\ -2 & 4 & 4\end{bmatrix},\ F=\begin{bmatrix}3 & 0 & -4\\ -3 & -4 & 4\\ 3 & 3 & -4\end{bmatrix},\ \begin{bmatrix}m=2\\ p=1\end{bmatrix}$$

$$No09=\left[\det\left(\begin{bmatrix}-3 & 3\\ x & 3\end{bmatrix}\right)=3\right],\ No10=\left[\det\left(\begin{bmatrix}2 & 3 & 2\\ -4 & 3 & 3\\ -3 & y & 3\end{bmatrix}\right)=17\right],\ No11=\left[G=\begin{bmatrix}-5 & 4\\ 2 & 4\end{bmatrix}\right]$$

$$System1=\begin{bmatrix}4x+5y=-37\\ 3x+3y=-24\end{bmatrix},\ System2=\begin{bmatrix}-4x-3y=1\\ -x+5y=-17\end{bmatrix},\ System3=\begin{bmatrix}-2x-3y=11\\ 3x-2z=12\\ -2y-z=13\end{bmatrix},\ System4=\begin{bmatrix}2y+3z=0\\ 2x-y=8\\ -x+3z=-19\end{bmatrix}$$

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