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Matrices02 for No.9844

$$A = [\ 23],\ B = [\ 10],\ C = \begin{bmatrix} -4 & 7 \\ -2 & -4 \end{bmatrix},\ \mathrm{D} = \begin{bmatrix} 6 & 5 \\ 5 & -2 \end{bmatrix},\ E = \begin{bmatrix} -4 & 0 & 3 \\ -2 & 3 & -2 \\ -2 & 2 & -3 \end{bmatrix},\ F = \begin{bmatrix} 2 & -2 & -2 \\ 2 & -4 & 0 \\ 2 & -2 & -2 \end{bmatrix},\ \begin{bmatrix} m = 4 \\ p = 2 \end{bmatrix}$$

$$No09 = \left[\det\left(\begin{bmatrix} x & -4 \\ 4 & 2 \end{bmatrix}\right) = 22 \right],\ No10 = \left[\det\left(\begin{bmatrix} 2 & y & 4 \\ 3 & 2 & -2 \\ -4 & 2 & -4 \end{bmatrix}\right) = -32 \right],\ No11 = \left[G = \begin{bmatrix} -2 & -3 \\ -4 & 3 \end{bmatrix} \right]$$

$$System1 = \begin{bmatrix} 2x - 5y = 29 \\ -2x + 2y = -20 \end{bmatrix},\quad ,\ System2 = \begin{bmatrix} 2x - y = 13 \\ x + 5y = -10 \end{bmatrix},\quad ,\ System3 = \begin{bmatrix} -x + y = 2 \\ y - 3z = -19 \\ x - z = -5 \end{bmatrix},\quad ,\ System4 = \begin{bmatrix} 2x + 2y = -14 \\ -2y - 3z = 21 \\ -x + z = -1 \end{bmatrix}$$

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Matrices02 for No.9872

$$A = [-12],\ B = [\ 20],\ C = \begin{bmatrix} 5 & 2 \\ 4 & 5 \end{bmatrix},\ \mathrm{D} = \begin{bmatrix} 8 & 5 \\ -2 & 10 \end{bmatrix},\ E = \begin{bmatrix} -4 & 4 & -2 \\ 3 & -2 & -4 \\ -3 & -3 & 0 \end{bmatrix},\ F = \begin{bmatrix} -3 & 0 & -4 \\ 2 & 3 & -2 \\ -2 & -3 & 3 \end{bmatrix},\ \begin{bmatrix} m = 4 \\ p = 1 \end{bmatrix}$$

$$No09 = \left[\det\left(\begin{bmatrix} -3 & 4 \\ x & 3 \end{bmatrix}\right) = -21 \right],\ No10 = \left[\det\left(\begin{bmatrix} 4 & 4 & -4 \\ -3 & 4 & -3 \\ 4 & 4 & y \end{bmatrix}\right) = 168 \right],\ No11 = \left[G = \begin{bmatrix} -5 & 4 \\ -2 & 5 \end{bmatrix} \right]$$

$$System1 = \begin{bmatrix} -3x + y = 20 \\ -x - 3y = 0 \end{bmatrix},\quad ,\ System2 = \begin{bmatrix} -x + 5y = -38 \\ x + 4y = -25 \end{bmatrix},\quad ,\ System3 = \begin{bmatrix} 3x - y = 16 \\ x + z = 11 \\ 2y - 2z = 2 \end{bmatrix},\quad ,\ System4 = \begin{bmatrix} 2x - 2y = -8 \\ -2y - 2z = 2 \\ 2x - z = 14 \end{bmatrix}$$

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Matrices02 for No.9873

$$A=[-11],\ B=[-17],\ C=\begin{bmatrix}-6 & -4\\ -2 & 6\end{bmatrix},\ \mathrm{D}=\begin{bmatrix}-8 & 9\\ -12 & -4\end{bmatrix},\ E=\begin{bmatrix}-4 & 3 & 2\\ 2 & -3 & -4\\ 2 & 4 & 0\end{bmatrix},\ F=\begin{bmatrix}-2 & -3 & 0\\ 3 & -2 & 3\\ 3 & -4 & -3\end{bmatrix},\ \begin{bmatrix}m=3\\ p=4\end{bmatrix}$$

$$No09=\left[\det\left(\begin{bmatrix}4 & -2\\ x & 2\end{bmatrix}\right)=14\right],\ No10=\left[\det\left(\begin{bmatrix}3 & 3 & 4\\ 4 & 4 & -4\\ y & 4 & 2\end{bmatrix}\right)=28\right],\ No11=\left[G=\begin{bmatrix}3 & 3\\ -5 & 5\end{bmatrix}\right]$$

$$System1=\begin{bmatrix}-3x+y=-21\\ 4x-y=29\end{bmatrix},\quad ,System2=\begin{bmatrix}x-2y=-10\\ -x-4y=-14\end{bmatrix},\quad ,System3=\begin{bmatrix}3x-y=2\\ x-3z=15\\ y+z=3\end{bmatrix},\quad ,System4=\begin{bmatrix}-2y-2z=10\\ x-z=10\\ -x-3y=-1\end{bmatrix}$$

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Matrices02 for No.9884

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

$$No09=\left[\det\left(\begin{bmatrix}-2 & -2\\ x & 3\end{bmatrix}\right)=0\right],\ No10=\left[\det\left(\begin{bmatrix}y & 4 & 2\\ 4 & -3 & 2\\ 2 & -4 & 2\end{bmatrix}\right)=-28\right],\ No11=\left[G=\begin{bmatrix}-4 & 3\\ 2 & 2\end{bmatrix}\right]$$

$$System1=\begin{bmatrix}-2x+4y=36\\ -x-y=-6\end{bmatrix},\quad ,System2=\begin{bmatrix}x-3y=15\\ 5x+y=-37\end{bmatrix},\quad ,System3=\begin{bmatrix}-x+3z=11\\ -2y-z=-19\\ 2x+y=4\end{bmatrix},\quad ,System4=\begin{bmatrix}3y-2z=-26\\ -2x-y=-4\\ -x+z=-1\end{bmatrix}$$

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Matrices02 for No.9885

$$A=[-11], B=[\ 19], C=\begin{bmatrix}-4 & 2\\ -5 & 4\end{bmatrix}, \mathrm{D}=\begin{bmatrix}5 & -12\\ 9 & 11\end{bmatrix}, E=\begin{bmatrix}-3 & -3 & -3\\ -4 & 3 & 4\\ 2 & 0 & 4\end{bmatrix}, F=\begin{bmatrix}-2 & 4 & -2\\ 4 & -3 & -3\\ -2 & 0 & -2\end{bmatrix}, \begin{bmatrix}m=2\\ p=1\end{bmatrix}$$

$$No09=\left[\det\left(\begin{bmatrix}-2 & -4\\ 3 & x\end{bmatrix}\right)=18\right], No10=\left[\det\left(\begin{bmatrix}-2 & -2 & -3\\ -3 & 4 & y\\ 3 & -3 & 2\end{bmatrix}\right)=29\right], No11=\left[G=\begin{bmatrix}4 & 3\\ -5 & 5\end{bmatrix}\right]$$

$$System1=\begin{bmatrix}4x+y=-32\\ x-2y=1\end{bmatrix},\quad , System2=\begin{bmatrix}-x-3y=-18\\ -4x-y=16\end{bmatrix},\quad , System3=\begin{bmatrix}-2y+2z=4\\ 2x+z=4\\ 3x+2y=1\end{bmatrix},\quad , System4=\begin{bmatrix}-x-y=10\\ 3y+2z=-11\\ x-z=-8\end{bmatrix}$$

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Matrices02 for No.9895

$$A=[\ 17], B=[-23], C=\begin{bmatrix}-7 & -8\\ -6 & 8\end{bmatrix}, \mathrm{D}=\begin{bmatrix}-8 & -6\\ -4 & -8\end{bmatrix}, E=\begin{bmatrix}-2 & -3 & 2\\ -4 & -3 & -2\\ 0 & -2 & -2\end{bmatrix}, F=\begin{bmatrix}2 & 3 & 0\\ -3 & -3 & -2\\ -3 & 2 & 4\end{bmatrix}, \begin{bmatrix}m=4\\ p=3\end{bmatrix}$$

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

$$System1=\begin{bmatrix}2x+4y=10\\ -2x+4y=22\end{bmatrix},\quad , System2=\begin{bmatrix}3x-4y=-15\\ -2x+2y=6\end{bmatrix},\quad , System3=\begin{bmatrix}y-3z=14\\ 3x+3z=-15\\ 3x+2y=4\end{bmatrix},\quad , System4=\begin{bmatrix}-x+2y=14\\ -x-z=9\\ -3y-3z=3\end{bmatrix}$$

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Matrices02 for No.9898

$$A = [\ 18],\ B = [-14],\ C = \begin{bmatrix} 5 & 8 \\ 8 & -2 \end{bmatrix},\ \mathrm{D} = \begin{bmatrix} -8 & -8 \\ -12 & -3 \end{bmatrix},\ E = \begin{bmatrix} -2 & -2 & -3 \\ 3 & -2 & 4 \\ 0 & 3 & -3 \end{bmatrix},\ F = \begin{bmatrix} -3 & 2 & 0 \\ 4 & 3 & -4 \\ 3 & 4 & -3 \end{bmatrix},\ \begin{bmatrix} m = 2 \\ p = 4 \end{bmatrix}$$

$$No09 = \left[\det\left(\begin{bmatrix} x & 3 \\ -2 & -2 \end{bmatrix}\right) = 0 \right],\ No10 = \left[\det\left(\begin{bmatrix} 2 & -4 & y \\ 4 & 3 & -3 \\ -2 & -2 & 3 \end{bmatrix}\right) = 24 \right],\ No11 = \left[G = \begin{bmatrix} -2 & -3 \\ 3 & 4 \end{bmatrix} \right]$$

$$System1 = \begin{bmatrix} -3\,x + y = 19 \\ -2\,x + 4\,y = 26 \end{bmatrix},\quad ,\ System2 = \begin{bmatrix} -2\,x - y = 12 \\ 4\,x + 4\,y = -40 \end{bmatrix},\quad ,\ System3 = \begin{bmatrix} 2\,x - 2\,z = -2 \\ -2\,y + z = -20 \\ -2\,x - y = 2 \end{bmatrix},\quad ,\ System4 = \begin{bmatrix} x - 3\,y = -11 \\ -2\,y - z = -2 \\ -3\,x - 3\,z = 18 \end{bmatrix}$$

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Matrices02 for No.9899

$$A = [\ 17],\ B = [\ \ 9],\ C = \begin{bmatrix} -4 & 5 \\ -2 & -2 \end{bmatrix},\ \mathrm{D} = \begin{bmatrix} -4 & -2 \\ 12 & 8 \end{bmatrix},\ E = \begin{bmatrix} 3 & 2 & 3 \\ -4 & -3 & -3 \\ 0 & -2 & 2 \end{bmatrix},\ F = \begin{bmatrix} 2 & 3 & -2 \\ 3 & 4 & 4 \\ 4 & 0 & 4 \end{bmatrix},\ \begin{bmatrix} m = 3 \\ p = 2 \end{bmatrix}$$

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

$$System1 = \begin{bmatrix} -x - y = 11 \\ -2\,x - y = 17 \end{bmatrix},\quad ,\ System2 = \begin{bmatrix} -3\,x - 4\,y = -12 \\ -5\,x + 2\,y = -46 \end{bmatrix},\quad ,\ System3 = \begin{bmatrix} -y + 2\,z = 6 \\ x + 2\,z = 12 \\ x + 2\,y = 14 \end{bmatrix},\quad ,\ System4 = \begin{bmatrix} -y + z = 9 \\ -2\,x - 3\,y = 0 \\ -x - 3\,z = -24 \end{bmatrix}$$

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Matrices02 for No.9920

$$A = [-17],\ B = [\ 10],\ C = \begin{bmatrix} 3 & 3 \\ 2 & -5 \end{bmatrix},\ \mathrm{D} = \begin{bmatrix} -12 & 7 \\ 4 & 9 \end{bmatrix},\ E = \begin{bmatrix} -3 & -2 & -4 \\ 3 & -2 & 3 \\ 0 & -4 & -4 \end{bmatrix},\ F = \begin{bmatrix} 2 & 4 & -2 \\ 0 & 4 & 4 \\ 4 & 2 & -4 \end{bmatrix},\ \begin{bmatrix} m = 3 \\ p = 4 \end{bmatrix}$$

$$No09 = \left[\det\left(\begin{bmatrix} 4 & -2 \\ 4 & x \end{bmatrix} \right) = 16 \right],\ No10 = \left[\det\left(\begin{bmatrix} 2 & y & 2 \\ 3 & -3 & -3 \\ 4 & 2 & -3 \end{bmatrix} \right) = 75 \right],\ No11 = \left[G = \begin{bmatrix} -4 & -3 \\ 2 & 3 \end{bmatrix} \right]$$

$$System1 = \begin{bmatrix} 3\,x + 5\,y = -31 \\ 3\,x + y = 1 \end{bmatrix},\quad ,\ System2 = \begin{bmatrix} -4\,x - y = -17 \\ 2\,x + 3\,y = 1 \end{bmatrix},\quad ,\ System3 = \begin{bmatrix} -y + 3\,z = 18 \\ x + 2\,y = 11 \\ x - z = -2 \end{bmatrix},\quad ,\ System4 = \begin{bmatrix} 3\,x - 3\,y = 6 \\ -2\,x + z = 10 \\ -2\,y + 2\,z = 20 \end{bmatrix}$$

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Matrices02 for No.10000

$$A = [\ 10],\ B = [\ 14],\ C = \begin{bmatrix} -7 & 4 \\ 3 & 5 \end{bmatrix},\ \mathrm{D} = \begin{bmatrix} 8 & 6 \\ 4 & -7 \end{bmatrix},\ E = \begin{bmatrix} -3 & 4 & 0 \\ -4 & 4 & -4 \\ -3 & -4 & -2 \end{bmatrix},\ F = \begin{bmatrix} -3 & -2 & 2 \\ 0 & -4 & -3 \\ 4 & 3 & 4 \end{bmatrix},\ \begin{bmatrix} m = 2 \\ p = 1 \end{bmatrix}$$

$$No09 = \left[\det\left(\begin{bmatrix} -3 & x \\ 2 & -2 \end{bmatrix} \right) = 14 \right],\ No10 = \left[\det\left(\begin{bmatrix} -3 & 2 & -2 \\ -4 & 3 & y \\ 4 & 2 & 4 \end{bmatrix} \right) = -6 \right],\ No11 = \left[G = \begin{bmatrix} 5 & -5 \\ -3 & -3 \end{bmatrix} \right]$$

$$System1 = \begin{bmatrix} 4\,x - 3\,y = 13 \\ -3\,x + 4\,y = -22 \end{bmatrix},\quad ,\ System2 = \begin{bmatrix} -2\,x + 4\,y = -22 \\ 3\,x + 2\,y = -31 \end{bmatrix},\quad ,\ System3 = \begin{bmatrix} -3\,x - z = -2 \\ 2\,y - z = -3 \\ -x + 3\,y = -18 \end{bmatrix},\quad ,\ System4 = \begin{bmatrix} x - 2\,y = -2 \\ 3\,y + 3\,z = -15 \\ -2\,x + 3\,z = 10 \end{bmatrix}$$

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Matrices02 for No.10017

$$A = [\ \text{-}9],\ B = [\text{-}22],\ C = \begin{bmatrix} 6 & -7 \\ 6 & 3 \end{bmatrix},\ D = \begin{bmatrix} 12 & 6 \\ -3 & 12 \end{bmatrix},\ E = \begin{bmatrix} -2 & 4 & -4 \\ 0 & 3 & -2 \\ -2 & -4 & -3 \end{bmatrix},\ F = \begin{bmatrix} -3 & 0 & -3 \\ 2 & 2 & 2 \\ 4 & -3 & -2 \end{bmatrix},\ \begin{bmatrix} m = 2 \\ p = 1 \end{bmatrix}$$

$$No09 = \left[\det\left(\begin{bmatrix} x & 4 \\ 2 & -3 \end{bmatrix}\right) = -14 \right],\ No10 = \left[\det\left(\begin{bmatrix} -2 & 4 & -2 \\ -4 & -2 & 4 \\ -3 & 2 & y \end{bmatrix}\right) = 36 \right],\ No11 = \left[G = \begin{bmatrix} -2 & 4 \\ 5 & -3 \end{bmatrix} \right]$$

$$System1 = \begin{bmatrix} x + y = -2 \\ 5x - y = -40 \end{bmatrix},\quad System2 = \begin{bmatrix} -3x - 2y = 13 \\ -3x + 3y = 33 \end{bmatrix},\quad System3 = \begin{bmatrix} y - z = 3 \\ -3x - y = -27 \\ -x + z = -4 \end{bmatrix},\quad System4 = \begin{bmatrix} -x + 2y = -9 \\ -3y - z = 21 \\ -x - 3z = -2 \end{bmatrix}$$

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Matrices02 for No.10025

$$A = [\text{-}18],\ B = [\ 21],\ C = \begin{bmatrix} -5 & -7 \\ -8 & 8 \end{bmatrix},\ D = \begin{bmatrix} 7 & -8 \\ -9 & -11 \end{bmatrix},\ E = \begin{bmatrix} 2 & -2 & 0 \\ 2 & -4 & -4 \\ 4 & 4 & -4 \end{bmatrix},\ F = \begin{bmatrix} 4 & -3 & -2 \\ -4 & 4 & 0 \\ 3 & -3 & 3 \end{bmatrix},\ \begin{bmatrix} m = 4 \\ p = 1 \end{bmatrix}$$

$$No09 = \left[\det\left(\begin{bmatrix} 2 & x \\ 2 & 2 \end{bmatrix}\right) = 10 \right],\ No10 = \left[\det\left(\begin{bmatrix} -4 & 4 & 4 \\ 4 & 4 & -3 \\ y & -3 & 2 \end{bmatrix}\right) = -160 \right],\ No11 = \left[G = \begin{bmatrix} 5 & 5 \\ 5 & -5 \end{bmatrix} \right]$$

$$System1 = \begin{bmatrix} -5x - y = 40 \\ x - y = -2 \end{bmatrix},\quad System2 = \begin{bmatrix} 2x - 4y = 4 \\ 5x - 4y = 22 \end{bmatrix},\quad System3 = \begin{bmatrix} x + z = -7 \\ 2x - y = -7 \\ 2y - z = -4 \end{bmatrix},\quad System4 = \begin{bmatrix} -3y + 3z = 12 \\ -x + z = 2 \\ -x - 2y = -11 \end{bmatrix}$$

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Matrices02 for No.10057

$$A=[-18],\ B=[\ \ 7],\ C=\begin{bmatrix}-3 & 3\\ 3 & -4\end{bmatrix},\ \mathrm{D}=\begin{bmatrix}-10 & 6\\ -12 & -7\end{bmatrix},\ E=\begin{bmatrix}-3 & -4 & 4\\ 4 & -3 & 4\\ 0 & 2 & -2\end{bmatrix},\ F=\begin{bmatrix}-3 & 0 & -2\\ 4 & -2 & 3\\ -3 & -3 & 2\end{bmatrix},\ \begin{bmatrix}m=1\\ p=4\end{bmatrix}$$

$$No09=\left[\det\left(\begin{bmatrix}4 & 4\\ -4 & x\end{bmatrix}\right)=4\right],\ No10=\left[\det\left(\begin{bmatrix}2 & -2 & y\\ -4 & 2 & -3\\ 3 & 3 & -2\end{bmatrix}\right)=98\right],\ No11=\left[G=\begin{bmatrix}5 & 5\\ 4 & 2\end{bmatrix}\right]$$

$$System1=\begin{bmatrix}-3x+4y=-38\\ -2x+y=-17\end{bmatrix},\quad ,System2=\begin{bmatrix}4x+5y=11\\ -x+4y=34\end{bmatrix},\quad ,System3=\begin{bmatrix}3x+2y=0\\ x+z=2\\ -2y-z=14\end{bmatrix},\quad ,System4=\begin{bmatrix}-x+3y=-16\\ -y-z=9\\ x+z=-5\end{bmatrix}$$

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Matrices02 for No.10061

$$A=[-23],\ B=[\ 17],\ C=\begin{bmatrix}3 & -8\\ -5 & -3\end{bmatrix},\ \mathrm{D}=\begin{bmatrix}9 & 3\\ -9 & -11\end{bmatrix},\ E=\begin{bmatrix}4 & -2 & 0\\ -2 & 4 & -3\\ -4 & -3 & 3\end{bmatrix},\ F=\begin{bmatrix}4 & 3 & -4\\ -2 & 4 & 4\\ 0 & 2 & -2\end{bmatrix},\ \begin{bmatrix}m=1\\ p=3\end{bmatrix}$$

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

$$System1=\begin{bmatrix}-x+3y=-18\\ -3x+y=10\end{bmatrix},\quad ,System2=\begin{bmatrix}5x-4y=-26\\ -2x+y=8\end{bmatrix},\quad ,System3=\begin{bmatrix}-2x+3z=8\\ -3x-y=-3\\ -y-3z=-9\end{bmatrix},\quad ,System4=\begin{bmatrix}3x+z=7\\ 3y+3z=-27\\ -3x-y=-2\end{bmatrix}$$

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Matrices02 for No.10071

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

$$No09 = \left[\det\left(\begin{bmatrix} -4 & -4 \\ 4 & x \end{bmatrix} \right) = 32 \right],\ No10 = \left[\det\left(\begin{bmatrix} -4 & 3 & y \\ -3 & -3 & 3 \\ -3 & 2 & -2 \end{bmatrix} \right) = -15 \right],\ No11 = \left[G = \begin{bmatrix} -2 & -5 \\ 2 & 3 \end{bmatrix} \right]$$

$$System1 = \begin{bmatrix} 3x + 3y = -9 \\ 3x + 5y = -23 \end{bmatrix},\quad ,\ System2 = \begin{bmatrix} x + 4y = -11 \\ -2x - y = 8 \end{bmatrix},\quad ,\ System3 = \begin{bmatrix} 2y + 3z = 18 \\ -x + 2y = -1 \\ 2x + z = -2 \end{bmatrix},\quad ,\ System4 = \begin{bmatrix} x - z = 8 \\ -x + y = -1 \\ y + 3z = -1 \end{bmatrix}$$

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Matrices02 for No.10088

$$A = [-15],\ B = [-18],\ C = \begin{bmatrix} 6 & 8 \\ 8 & -4 \end{bmatrix},\ \mathrm{D} = \begin{bmatrix} 4 & 6 \\ 9 & 11 \end{bmatrix},\ E = \begin{bmatrix} 3 & -3 & 0 \\ 2 & -3 & 4 \\ -3 & -2 & 2 \end{bmatrix},\ F = \begin{bmatrix} 4 & 2 & -3 \\ 2 & 2 & 0 \\ -3 & 2 & -3 \end{bmatrix},\ \begin{bmatrix} m = 2 \\ p = 1 \end{bmatrix}$$

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

$$System1 = \begin{bmatrix} -x - y = -9 \\ -4x - y = -30 \end{bmatrix},\quad ,\ System2 = \begin{bmatrix} 5x - 3y = 19 \\ -5x + 4y = -17 \end{bmatrix},\quad ,\ System3 = \begin{bmatrix} -2x + z = 2 \\ 3y - 3z = 15 \\ -x + y = 2 \end{bmatrix},\quad ,\ System4 = \begin{bmatrix} -2x + 2z = -2 \\ 2y - z = 15 \\ 3x + 2y = -10 \end{bmatrix}$$

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Matrices02 for No.10385

$$A = [\ 8],\ B = [-22],\ C = \begin{bmatrix} 2 & 6 \\ -7 & 3 \end{bmatrix},\ D = \begin{bmatrix} 11 & -11 \\ -12 & -8 \end{bmatrix},\ E = \begin{bmatrix} 3 & -4 & -3 \\ -3 & 0 & -4 \\ 4 & 2 & -2 \end{bmatrix},\ F = \begin{bmatrix} -2 & -3 & 0 \\ 2 & 4 & 2 \\ 3 & -2 & 4 \end{bmatrix},\ \begin{bmatrix} m = 3 \\ p = 1 \end{bmatrix}$$

$$No09 = \left[\det\left(\begin{bmatrix} -3 & x \\ -4 & 2 \end{bmatrix}\right) = 2 \right],\ No10 = \left[\det\left(\begin{bmatrix} 4 & 3 & -3 \\ y & -3 & -4 \\ -4 & 3 & -2 \end{bmatrix}\right) = 147 \right],\ No11 = \left[G = \begin{bmatrix} 4 & 3 \\ 5 & -4 \end{bmatrix} \right]$$

$$System1 = \begin{bmatrix} -3x - 5y = 31 \\ -5x - 4y = 17 \end{bmatrix},\ System2 = \begin{bmatrix} 4x - 3y = 18 \\ -5x - 2y = -34 \end{bmatrix},\ System3 = \begin{bmatrix} -x - y = 7 \\ -3x - 2z = 2 \\ -2y - z = 1 \end{bmatrix},\ System4 = \begin{bmatrix} -2x - 2z = 2 \\ 2y + 2z = -4 \\ -x + 2y = -9 \end{bmatrix}$$

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Matrices02 for No.10387

$$A = [\ 10],\ B = [\ 14],\ C = \begin{bmatrix} -5 & -4 \\ -7 & -2 \end{bmatrix},\ D = \begin{bmatrix} 3 & -9 \\ -11 & 9 \end{bmatrix},\ E = \begin{bmatrix} -4 & 0 & -2 \\ -4 & 3 & -2 \\ 3 & -4 & 2 \end{bmatrix},\ F = \begin{bmatrix} 4 & -3 & 3 \\ 0 & -2 & -3 \\ 2 & -3 & 3 \end{bmatrix},\ \begin{bmatrix} m = 1 \\ p = 3 \end{bmatrix}$$

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

$$System1 = \begin{bmatrix} 2x + 2y = -2 \\ 4x + 5y = -8 \end{bmatrix},\ System2 = \begin{bmatrix} -5x - 2y = 27 \\ 3x + 5y = -1 \end{bmatrix},\ System3 = \begin{bmatrix} -3x + y = 22 \\ -3x - 3z = 6 \\ 3y + z = 0 \end{bmatrix},\ System4 = \begin{bmatrix} 3y - z = 25 \\ 3x + z = 2 \\ x - 2y = -9 \end{bmatrix}$$

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Matrices02 for No.10914

$$A = [-22], B = [-23], C = \begin{bmatrix} -6 & -5 \\ -5 & 3 \end{bmatrix}, \mathrm{D} = \begin{bmatrix} 5 & 2 \\ -6 & 5 \end{bmatrix}, E = \begin{bmatrix} 0 & 3 & -4 \\ -3 & -2 & 2 \\ -4 & -3 & -3 \end{bmatrix}, F = \begin{bmatrix} 3 & 3 & 3 \\ 0 & 2 & 4 \\ -4 & -3 & 2 \end{bmatrix}, \begin{bmatrix} m = 2 \\ p = 3 \end{bmatrix}$$

$$No09 = \left[\det\left(\begin{bmatrix} x & 2 \\ 2 & 4 \end{bmatrix}\right) = -12 \right], No10 = \left[\det\left(\begin{bmatrix} 3 & 2 & 3 \\ 3 & -4 & y \\ 4 & -2 & 3 \end{bmatrix}\right) = 18 \right], No11 = \left[G = \begin{bmatrix} 5 & 2 \\ 2 & -3 \end{bmatrix} \right]$$

$$System1 = \begin{bmatrix} -x + 5\,y = 33 \\ 4\,x - y = 1 \end{bmatrix}, \quad , System2 = \begin{bmatrix} -2\,x - 2\,y = 22 \\ 2\,x + 3\,y = -25 \end{bmatrix}, \quad , System3 = \begin{bmatrix} y - z = 3 \\ 2\,x + 3\,y = -11 \\ 2\,x - 2\,z = 20 \end{bmatrix}, \quad , System4 = \begin{bmatrix} -3\,y - z = 12 \\ -2\,x + 2\,y = 2 \\ -2\,x - z = 12 \end{bmatrix}$$

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Matrices02 for No.10945

$$A = [\ 19], B = [\ 21], C = \begin{bmatrix} 4 & -3 \\ -7 & 6 \end{bmatrix}, \mathrm{D} = \begin{bmatrix} -8 & 6 \\ 7 & -2 \end{bmatrix}, E = \begin{bmatrix} 4 & -4 & 3 \\ -3 & 2 & 2 \\ 3 & 4 & 0 \end{bmatrix}, F = \begin{bmatrix} 4 & 0 & -4 \\ -4 & 2 & -3 \\ -2 & -3 & -2 \end{bmatrix}, \begin{bmatrix} m = 2 \\ p = 3 \end{bmatrix}$$

$$No09 = \left[\det\left(\begin{bmatrix} x & 2 \\ -4 & -2 \end{bmatrix}\right) = 0 \right], No10 = \left[\det\left(\begin{bmatrix} -4 & 4 & 3 \\ -2 & 4 & y \\ 3 & 2 & 3 \end{bmatrix}\right) = -112 \right], No11 = \left[G = \begin{bmatrix} -3 & -2 \\ -5 & 3 \end{bmatrix} \right]$$

$$System1 = \begin{bmatrix} x + 2\,y = -13 \\ -3\,x - 5\,y = 31 \end{bmatrix}, \quad , System2 = \begin{bmatrix} 3\,x - 4\,y = 13 \\ 2\,x + 3\,y = -31 \end{bmatrix}, \quad , System3 = \begin{bmatrix} x - 2\,z = 18 \\ 2\,y - z = 0 \\ -2\,x - y = 0 \end{bmatrix}, \quad , System4 = \begin{bmatrix} x + 3\,y = 14 \\ 2\,y + 2\,z = -2 \\ x + 2\,z = 2 \end{bmatrix}$$

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Matrices02 for No.10954

$$A = [\ 15], B = [\ 22], C = \begin{bmatrix} -4 & -3 \\ 6 & -3 \end{bmatrix}, \mathrm{D} = \begin{bmatrix} 10 & 10 \\ -3 & -9 \end{bmatrix}, E = \begin{bmatrix} -2 & 0 & 3 \\ 2 & -3 & 3 \\ -3 & 2 & -4 \end{bmatrix}, F = \begin{bmatrix} 3 & -2 & 2 \\ -3 & 3 & 0 \\ 2 & 2 & 4 \end{bmatrix}, \begin{bmatrix} m = 2 \\ p = 3 \end{bmatrix}$$

$$No09 = \left[\det\left(\begin{bmatrix} -4 & 4 \\ -2 & x \end{bmatrix}\right) = -8 \right], No10 = \left[\det\left(\begin{bmatrix} -4 & -4 & y \\ 3 & -2 & -4 \\ 2 & 3 & 4 \end{bmatrix}\right) = 103 \right], No11 = \left[G = \begin{bmatrix} -4 & -5 \\ -3 & -3 \end{bmatrix} \right]$$

$$System1 = \begin{bmatrix} 5x - 4y = -67 \\ -3x - 3y = -3 \end{bmatrix}, \quad , System2 = \begin{bmatrix} 3x + 5y = 19 \\ -3x + 5y = 1 \end{bmatrix}, \quad , System3 = \begin{bmatrix} x - y = 5 \\ -3x - 2z = 7 \\ -y + z = -6 \end{bmatrix}, \quad , System4 = \begin{bmatrix} -2x + 2z = -12 \\ 3y - 2z = 7 \\ -2x - y = 7 \end{bmatrix}$$

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Matrices02 for No.10966

$$A = [-22], B = [\ 14], C = \begin{bmatrix} 2 & 2 \\ 8 & 3 \end{bmatrix}, \mathrm{D} = \begin{bmatrix} 4 & -9 \\ 3 & 3 \end{bmatrix}, E = \begin{bmatrix} -2 & -3 & 3 \\ 3 & 0 & -2 \\ -3 & 4 & -2 \end{bmatrix}, F = \begin{bmatrix} -3 & -3 & 3 \\ 2 & -2 & -4 \\ -2 & 0 & -3 \end{bmatrix}, \begin{bmatrix} m = 3 \\ p = 1 \end{bmatrix}$$

$$No09 = \left[\det\left(\begin{bmatrix} x & 4 \\ 4 & -2 \end{bmatrix}\right) = -24 \right], No10 = \left[\det\left(\begin{bmatrix} 3 & -4 & y \\ 3 & -3 & 4 \\ 2 & -4 & -3 \end{bmatrix}\right) = 31 \right], No11 = \left[G = \begin{bmatrix} -5 & 3 \\ -2 & 2 \end{bmatrix} \right]$$

$$System1 = \begin{bmatrix} 4x + y = -28 \\ -3x + 2y = 32 \end{bmatrix}, \quad , System2 = \begin{bmatrix} x + y = 3 \\ -4x - 2y = 4 \end{bmatrix}, \quad , System3 = \begin{bmatrix} -2x - 3y = -5 \\ -3y - z = -4 \\ -3x + 2z = -4 \end{bmatrix}, \quad , System4 = \begin{bmatrix} 3x - y = 3 \\ -2y + 2z = 6 \\ 3x + 3z = 24 \end{bmatrix}$$

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Matrices02 for No.11154

$$A = [\ 22],\ B = [-10],\ C = \begin{bmatrix} -7 & 6 \\ -6 & -3 \end{bmatrix},\ D = \begin{bmatrix} 2 & -6 \\ -12 & 6 \end{bmatrix},\ E = \begin{bmatrix} 4 & 4 & 3 \\ -2 & 3 & 0 \\ -3 & 3 & -3 \end{bmatrix},\ F = \begin{bmatrix} -3 & -2 & 0 \\ -2 & 2 & -2 \\ 2 & 2 & 3 \end{bmatrix},\ \begin{bmatrix} m = 4 \\ p = 1 \end{bmatrix}$$

$$No09 = \left[\det\left(\begin{bmatrix} x & 2 \\ -3 & -2 \end{bmatrix}\right) = 14 \right],\ No10 = \left[\det\left(\begin{bmatrix} -3 & 4 & y \\ 3 & -4 & 3 \\ 4 & -4 & -3 \end{bmatrix}\right) = 20 \right],\ No11 = \left[G = \begin{bmatrix} 5 & 4 \\ -2 & 5 \end{bmatrix} \right]$$

$$System1 = \begin{bmatrix} 3x - y = -17 \\ 2x + y = -23 \end{bmatrix},\quad ,\ System2 = \begin{bmatrix} 3x - y = 0 \\ x + 4y = 26 \end{bmatrix},\quad ,\ System3 = \begin{bmatrix} x - y = -1 \\ -2x - z = 14 \\ -3y - 2z = 19 \end{bmatrix},\quad ,\ System4 = \begin{bmatrix} x + z = -12 \\ 2y - 3z = 13 \\ 2x - 3y = 2 \end{bmatrix}$$

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Matrices02 for No.11191

$$A = [-16],\ B = [-20],\ C = \begin{bmatrix} 7 & -5 \\ -7 & -3 \end{bmatrix},\ D = \begin{bmatrix} 4 & 11 \\ -7 & 2 \end{bmatrix},\ E = \begin{bmatrix} 2 & -4 & 2 \\ 2 & -4 & 0 \\ 3 & -3 & -2 \end{bmatrix},\ F = \begin{bmatrix} 4 & 2 & -2 \\ -2 & -2 & 4 \\ 2 & 0 & 2 \end{bmatrix},\ \begin{bmatrix} m = 3 \\ p = 2 \end{bmatrix}$$

$$No09 = \left[\det\left(\begin{bmatrix} 4 & 2 \\ 2 & x \end{bmatrix}\right) = -16 \right],\ No10 = \left[\det\left(\begin{bmatrix} -3 & -3 & 3 \\ -2 & y & -4 \\ 4 & -4 & 4 \end{bmatrix}\right) = 192 \right],\ No11 = \left[G = \begin{bmatrix} 4 & 5 \\ 5 & 3 \end{bmatrix} \right]$$

$$System1 = \begin{bmatrix} 4x + 3y = 29 \\ 4x - 5y = 5 \end{bmatrix},\quad ,\ System2 = \begin{bmatrix} -4x + 4y = -16 \\ 5x - 4y = 13 \end{bmatrix},\quad ,\ System3 = \begin{bmatrix} y + z = -12 \\ 3x + 3z = -6 \\ x + y = -4 \end{bmatrix},\quad ,\ System4 = \begin{bmatrix} x - z = -11 \\ -y - z = -12 \\ -x - 3y = -9 \end{bmatrix}$$

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Matrices02 for No.11309

$$A=[\,22],\ B=[\,\text{-}9],\ C=\begin{bmatrix}-3 & -8\\ 2 & -5\end{bmatrix},\ \mathrm{D}=\begin{bmatrix}-12 & -2\\ 9 & 4\end{bmatrix},\ E=\begin{bmatrix}4 & -4 & 0\\ 2 & 2 & -2\\ -4 & -2 & 3\end{bmatrix},\ F=\begin{bmatrix}-3 & -4 & 3\\ 2 & 4 & -3\\ 0 & 2 & -2\end{bmatrix},\ \begin{bmatrix}m=1\\ p=2\end{bmatrix}$$

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

$$System1=\begin{bmatrix}-x+5\,y=31\\ x-4\,y=-24\end{bmatrix},\quad System2=\begin{bmatrix}x-3\,y=26\\ 4\,x+5\,y=2\end{bmatrix},\quad System3=\begin{bmatrix}x+y=8\\ 3\,x-2\,z=16\\ y+3\,z=-9\end{bmatrix},\quad System4=\begin{bmatrix}3\,y+2\,z=13\\ 3\,x-y=-1\\ -2\,x+3\,z=-16\end{bmatrix}$$

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Matrices02 for No.12483

$$A=[\,20],\ B=[\,23],\ C=\begin{bmatrix}-7 & -4\\ -7 & 7\end{bmatrix},\ \mathrm{D}=\begin{bmatrix}10 & -4\\ 9 & 2\end{bmatrix},\ E=\begin{bmatrix}-2 & 3 & -3\\ 0 & -4 & 2\\ 4 & 2 & 2\end{bmatrix},\ F=\begin{bmatrix}3 & 3 & 3\\ 3 & 2 & 2\\ -4 & 0 & 3\end{bmatrix},\ \begin{bmatrix}m=3\\ p=1\end{bmatrix}$$

$$No09=\left[\det\left(\begin{bmatrix}x & -2\\ -3 & 3\end{bmatrix}\right)=0\right],\ No10=\left[\det\left(\begin{bmatrix}-2 & -4 & y\\ -3 & 4 & -4\\ -3 & -4 & -2\end{bmatrix}\right)=-24\right],\ No11=\left[G=\begin{bmatrix}5 & -2\\ -4 & 2\end{bmatrix}\right]$$

$$System1=\begin{bmatrix}-x+2\,y=1\\ 4\,x+2\,y=36\end{bmatrix},\quad System2=\begin{bmatrix}4\,x-y=-38\\ 2\,x+3\,y=2\end{bmatrix},\quad System3=\begin{bmatrix}-x+3\,z=7\\ -3\,x+3\,y=-24\\ -y-z=-1\end{bmatrix},\quad System4=\begin{bmatrix}3\,x+3\,z=-3\\ -3\,x-y=14\\ y+2\,z=4\end{bmatrix}$$

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Matrices02 for No.12557

$$A = [\ 16],\ B = [-20],\ C = \begin{bmatrix} -6 & 2 \\ 3 & 2 \end{bmatrix},\ D = \begin{bmatrix} 12 & -11 \\ -5 & -7 \end{bmatrix},\ E = \begin{bmatrix} -3 & 0 & -3 \\ 4 & -2 & 4 \\ 3 & -4 & 3 \end{bmatrix},\ F = \begin{bmatrix} -2 & -3 & -2 \\ 4 & -2 & 0 \\ 4 & -2 & -3 \end{bmatrix},\ \begin{bmatrix} m = 4 \\ p = 2 \end{bmatrix}$$

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

$$System1 = \begin{bmatrix} -3x + y = 18 \\ 5x - 5y = -40 \end{bmatrix},\quad ,\ System2 = \begin{bmatrix} x - 5y = -23 \\ -4x + 4y = 28 \end{bmatrix},\quad ,\ System3 = \begin{bmatrix} -2y - 2z = -2 \\ -3x - 2z = 9 \\ 3x - y = -16 \end{bmatrix},\quad ,\ System4 = \begin{bmatrix} -2y + 2z = -14 \\ -2x + 3y = -1 \\ x + 2z = 4 \end{bmatrix}$$

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Matrices02 for No.12637

$$A = [-16],\ B = [\ 23],\ C = \begin{bmatrix} 7 & -3 \\ 6 & 8 \end{bmatrix},\ D = \begin{bmatrix} 6 & -3 \\ -2 & 4 \end{bmatrix},\ E = \begin{bmatrix} -4 & 0 & -2 \\ 2 & 2 & 3 \\ -4 & -2 & -3 \end{bmatrix},\ F = \begin{bmatrix} 3 & -4 & 2 \\ -2 & -3 & 0 \\ -4 & -2 & -4 \end{bmatrix},\ \begin{bmatrix} m = 1 \\ p = 3 \end{bmatrix}$$

$$No09 = \left[\det\left(\begin{bmatrix} 4 & -2 \\ 3 & x \end{bmatrix}\right) = 18 \right],\ No10 = \left[\det\left(\begin{bmatrix} y & 4 & -3 \\ -2 & 4 & -4 \\ -3 & 3 & -4 \end{bmatrix}\right) = -10 \right],\ No11 = \left[G = \begin{bmatrix} 4 & 2 \\ -2 & -5 \end{bmatrix} \right]$$

$$System1 = \begin{bmatrix} -x - 4y = 19 \\ 2x - y = 16 \end{bmatrix},\quad ,\ System2 = \begin{bmatrix} 3x + y = -21 \\ -3x + 4y = 6 \end{bmatrix},\quad ,\ System3 = \begin{bmatrix} 2x - 2z = 6 \\ -2x - y = -2 \\ -y + 2z = -16 \end{bmatrix},\quad ,\ System4 = \begin{bmatrix} -x + 3y = 20 \\ -3x - z = 2 \\ -3y + 2z = -10 \end{bmatrix}$$

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Matrices02 for No.12689

$$A = [\ 19],\ B = [\text{-}20],\ C = \begin{bmatrix} 8 & 2 \\ 8 & \text{-}3 \end{bmatrix},\ \mathrm{D} = \begin{bmatrix} \text{-}6 & 2 \\ 11 & \text{-}5 \end{bmatrix},\ E = \begin{bmatrix} 0 & 4 & \text{-}3 \\ \text{-}4 & \text{-}3 & 4 \\ 4 & \text{-}3 & \text{-}2 \end{bmatrix},\ F = \begin{bmatrix} 4 & 2 & 3 \\ 4 & \text{-}2 & \text{-}3 \\ 0 & \text{-}3 & 4 \end{bmatrix},\ \begin{bmatrix} m = 3 \\ p = 1 \end{bmatrix}$$

$$No09 = \left[\det\left(\begin{bmatrix} \text{-}2 & 4 \\ x & \text{-}4 \end{bmatrix} \right) = \text{-}4 \right],\ No10 = \left[\det\left(\begin{bmatrix} 4 & \text{-}3 & 2 \\ \text{-}4 & \text{-}3 & \text{-}4 \\ y & 4 & \text{-}4 \end{bmatrix} \right) = 182 \right],\ No11 = \left[G = \begin{bmatrix} 4 & \text{-}2 \\ 4 & 3 \end{bmatrix} \right]$$

$$System1 = \begin{bmatrix} 4\,x + 2\,y = \text{-}24 \\ 3\,x + y = \text{-}17 \end{bmatrix},\quad ,System2 = \begin{bmatrix} x - 5\,y = \text{-}28 \\ -3\,x - 3\,y = \text{-}24 \end{bmatrix},\quad ,System3 = \begin{bmatrix} -3\,x - 2\,z = \text{-}2 \\ -2\,x + 3\,y = 16 \\ 3\,y + 2\,z = 14 \end{bmatrix},\quad ,System4 = \begin{bmatrix} x + z = \text{-}3 \\ y + 2\,z = 6 \\ -3\,x + y = 20 \end{bmatrix}$$

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Matrices02 for No.13349

$$A = [\text{-}23],\ B = [\text{-}20],\ C = \begin{bmatrix} \text{-}5 & \text{-}5 \\ \text{-}7 & 4 \end{bmatrix},\ \mathrm{D} = \begin{bmatrix} \text{-}8 & \text{-}6 \\ \text{-}5 & 4 \end{bmatrix},\ E = \begin{bmatrix} 3 & 2 & 0 \\ 4 & 3 & \text{-}3 \\ \text{-}2 & 4 & \text{-}3 \end{bmatrix},\ F = \begin{bmatrix} 2 & 0 & \text{-}2 \\ 2 & \text{-}2 & \text{-}3 \\ \text{-}4 & \text{-}2 & \text{-}2 \end{bmatrix},\ \begin{bmatrix} m = 1 \\ p = 2 \end{bmatrix}$$

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

$$System1 = \begin{bmatrix} -x + 2\,y = \text{-}8 \\ -3\,x - 2\,y = 24 \end{bmatrix},\quad ,System2 = \begin{bmatrix} -5\,x + 4\,y = \text{-}44 \\ -4\,x - 4\,y = 8 \end{bmatrix},\quad ,System3 = \begin{bmatrix} -2\,y - z = \text{-}14 \\ -x + 2\,y = 0 \\ 3\,x - z = 10 \end{bmatrix},\quad ,System4 = \begin{bmatrix} -2\,x + 3\,y = \text{-}5 \\ y + z = \text{-}3 \\ -x - 2\,z = 0 \end{bmatrix}$$

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Matrices02 for No.13519

$$A = [\ 12],\ B = [-14],\ C = \begin{bmatrix} -4 & 6 \\ -5 & 5 \end{bmatrix},\ \mathrm{D} = \begin{bmatrix} 7 & 7 \\ -12 & 9 \end{bmatrix},\ E = \begin{bmatrix} -4 & 3 & -3 \\ 0 & 3 & -3 \\ 3 & 4 & 3 \end{bmatrix},\ F = \begin{bmatrix} -2 & 2 & 0 \\ 3 & 4 & -2 \\ -3 & 4 & 3 \end{bmatrix},\ \begin{bmatrix} m = 3 \\ p = 1 \end{bmatrix}$$

$$No09 = \left[\det\left(\begin{bmatrix} 3 & 2 \\ 2 & x \end{bmatrix}\right) = 2 \right],\ No10 = \left[\det\left(\begin{bmatrix} -3 & 2 & 2 \\ 3 & -3 & y \\ 4 & 4 & -4 \end{bmatrix}\right) = -24 \right],\ No11 = \left[G = \begin{bmatrix} -2 & 3 \\ -5 & -2 \end{bmatrix} \right]$$

$$System1 = \begin{bmatrix} -x + 5\,y = -32 \\ x - y = 12 \end{bmatrix},\quad System2 = \begin{bmatrix} -5\,x + 3\,y = -20 \\ -4\,x - 3\,y = -43 \end{bmatrix},\quad System3 = \begin{bmatrix} -3\,x + 2\,y = -17 \\ 3\,y - 2\,z = 16 \\ x + 2\,z = -3 \end{bmatrix},\quad System4 = \begin{bmatrix} 2\,x + y = -6 \\ -3\,y + 3\,z = -27 \\ x - z = 3 \end{bmatrix}$$

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Matrices02 for No.14276

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

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

$$System1 = \begin{bmatrix} 2\,x + 3\,y = 17 \\ 4\,x + 3\,y = 25 \end{bmatrix},\quad System2 = \begin{bmatrix} -5\,x - 5\,y = -20 \\ -x + 4\,y = -14 \end{bmatrix},\quad System3 = \begin{bmatrix} x + y = -8 \\ 2\,x + z = -15 \\ y - 3\,z = 7 \end{bmatrix},\quad System4 = \begin{bmatrix} x + 2\,y = 11 \\ 3\,x + z = 2 \\ -3\,y + z = -19 \end{bmatrix}$$

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Matrices02 for No.14380

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

$$No09 = \left[\det\left(\begin{bmatrix} x & 3 \\ 3 & -4 \end{bmatrix}\right) = 3 \right], No10 = \left[\det\left(\begin{bmatrix} 4 & -4 & 2 \\ 3 & 2 & -4 \\ -4 & -2 & y \end{bmatrix}\right) = -52 \right], No11 = \left[G = \begin{bmatrix} -2 & 3 \\ 2 & -4 \end{bmatrix} \right]$$

$$System1 = \begin{bmatrix} 4x + 2y = -2 \\ x - y = 10 \end{bmatrix}, \quad , System2 = \begin{bmatrix} -2x + y = 2 \\ -2x - 5y = -34 \end{bmatrix}, \quad , System3 = \begin{bmatrix} -3x - y = 3 \\ 3y + 3z = -12 \\ -2x - z = 11 \end{bmatrix}, \quad , System4 = \begin{bmatrix} 3x + 2z = 17 \\ 3y - z = -10 \\ 2x + y = 4 \end{bmatrix}$$

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Matrices02 for No.14393

$$A = [\ 11], B = [\ \ 8], C = \begin{bmatrix} 8 & -6 \\ 6 & 2 \end{bmatrix}, \mathrm{D} = \begin{bmatrix} -12 & 3 \\ 6 & -7 \end{bmatrix}, E = \begin{bmatrix} -3 & 2 & -2 \\ 4 & -2 & 0 \\ 4 & 4 & -2 \end{bmatrix}, F = \begin{bmatrix} -2 & -4 & 2 \\ 0 & 4 & 2 \\ -4 & 4 & -4 \end{bmatrix}, \begin{bmatrix} m = 2 \\ p = 4 \end{bmatrix}$$

$$No09 = \left[\det\left(\begin{bmatrix} 2 & -4 \\ x & 4 \end{bmatrix}\right) = 16 \right], No10 = \left[\det\left(\begin{bmatrix} y & -3 & -2 \\ 4 & -4 & -2 \\ -4 & -2 & 2 \end{bmatrix}\right) = 72 \right], No11 = \left[G = \begin{bmatrix} -5 & 4 \\ 3 & -5 \end{bmatrix} \right]$$

$$System1 = \begin{bmatrix} -4x - 4y = -4 \\ 5x + y = 21 \end{bmatrix}, \quad , System2 = \begin{bmatrix} -5x - y = 14 \\ -4x - 2y = 4 \end{bmatrix}, \quad , System3 = \begin{bmatrix} 3x - y = 19 \\ x + 2z = 0 \\ -y + z = -9 \end{bmatrix}, \quad , System4 = \begin{bmatrix} 3x - 2y = 4 \\ -2y - z = -18 \\ x + z = 10 \end{bmatrix}$$

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Matrices02 for No.14417

$$A = [-15], B = [-15], C = \begin{bmatrix} -4 & -7 \\ -7 & -3 \end{bmatrix}, \mathrm{D} = \begin{bmatrix} -8 & 5 \\ -3 & -2 \end{bmatrix}, E = \begin{bmatrix} -3 & -3 & 2 \\ 0 & 3 & -4 \\ 2 & 2 & -4 \end{bmatrix}, F = \begin{bmatrix} 2 & -2 & -3 \\ 0 & -3 & -4 \\ 2 & 4 & 2 \end{bmatrix}, \begin{bmatrix} m = 4 \\ p = 1 \end{bmatrix}$$

$$No09 = \left[\det\left(\begin{bmatrix} -4 & -3 \\ -2 & x \end{bmatrix}\right) = 6 \right], No10 = \left[\det\left(\begin{bmatrix} -2 & y & -3 \\ -3 & -3 & 4 \\ -2 & -2 & -4 \end{bmatrix}\right) = -100 \right], No11 = \left[G = \begin{bmatrix} 3 & -4 \\ 5 & 5 \end{bmatrix} \right]$$

$$System1 = \begin{bmatrix} -x - 3\,y = -13 \\ -x + 5\,y = 43 \end{bmatrix}, \quad , System2 = \begin{bmatrix} 2\,x + y = -19 \\ 4\,x + 4\,y = -48 \end{bmatrix}, \quad , System3 = \begin{bmatrix} -x - 2\,y = 18 \\ -3\,y + 2\,z = 1 \\ 3\,x - 3\,z = -3 \end{bmatrix}, \quad , System4 = \begin{bmatrix} 2\,y + z = 6 \\ 2\,x - 2\,z = 26 \\ 3\,x - 2\,y = 1 \end{bmatrix}$$

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