Gramer's Rule 1A1 ) a, x + b, y = c, determinant det(A) natrix  $D = \left| \begin{array}{c} a_1 \\ b_2 \end{array} \right| = a_1 b_2 - b_1 a_2$  $D_{x} = \begin{pmatrix} c_1 & b_1 \\ c_2 & b_2 \end{pmatrix}$ alplu &  $\mathcal{D}_{y} = \begin{bmatrix} a_1 & c_1 \\ a_2 & c_2 \end{bmatrix}$  $\times_{\mathbb{Z}}$   $\mathbb{Z}_{X}$ FD 40 => Dy ) ( y ( le) x ノカッニの No sol  $\int 5x + 7y = -1$  6x + 7y = 1D = (5 x) =6(8)-7(6)= 40-42 $D_x = \begin{bmatrix} -1 & t \\ 1 & 8 \end{bmatrix} = -8 - 7 = -15$ Dy - |5 -1| = 5+6 = 11  $\left( \frac{-15}{-2}, \frac{11}{-2} \right) \left( \frac{15}{2}, -\frac{11}{2} \right)$ 

$$D_{x} = \begin{cases} 1 - 3y + 7 + 3 - 13 \\ 1 - 3y + 3 + 3 + 3 - 14 \\ 1 - 3y + 3 + 3 + 3 - 14 \\ 1 - 2 + 3 + 3 - 3 - 14 \\ 1 - 2 + 3 + 3 - 10 \end{cases}$$

$$D_{x} = \begin{cases} 1 - 3 & 7 & 7 - 3 \\ 1 & 1 & 1 \\ 1 & 1 & 2 \\ 1 & 1 & 3 \\ 1 & 1 & 4 \end{cases}$$

$$D_{y} = \begin{cases} 1 & 1 & 3 & 7 + 3 \\ 1 & 1 & 1 \\ 1 & 1 & 3 \\ 1 & 1 & 1 \end{cases}$$

$$D_{x} = \begin{cases} 1 & 1 & 3 & 7 + 3 \\ 1 & 1 & 3 \\ 1 & 1 & 1 \\ 1 & 1 & 3 \end{cases}$$

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$$C_{x} = \begin{cases} 1 & 1 & 3 & 7 + 3 \\ 1 & 1 & 3 \\ 1 & 1 & 3 \end{cases}$$

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$$C_{x} = \begin{cases} 1 & 1$$

··· (-2, 를, 醬)

$$D = \begin{vmatrix} 3 & 2 \\ 2 & -1 \end{vmatrix} \qquad D_{x} = \begin{vmatrix} -4 & 2 \\ -5 & -1 \end{vmatrix} \qquad D_{y} = \begin{vmatrix} 3 & -4 \\ 2 & -5 \end{vmatrix}$$

$$= -3 - 4$$

$$= -4 + 10$$

$$= -7$$

$$= -15 + 8$$

$$= -7$$

$$= -7$$

$$= -7$$

$$= -7$$

$$\begin{array}{c}
 431 \\
 3x + 2y - 2 = 4 \\
 3x - 2y + 2 = 5 \\
 4x - 5y - 2 = -1
 \end{array}$$