Algebra

$$\begin{cases} 3x - 2y = (2) \\ 2x + y = 1 \end{cases} = \begin{cases} a_{11} X_1 - a_{12} X_2 = b_1 \\ a_{21} X_1 + a_{22} X_2 = b_2 \end{cases}$$

$$D = \begin{vmatrix} a_{11} & a_{12} \\ a_{21} & a_{22} \end{vmatrix} = \begin{vmatrix} \frac{3}{2} & -2 \\ 2 & 1 \end{vmatrix} = 3 - (-4) = 7$$

$$D = 0 D = \begin{cases} \frac{1}{2} & \frac{1}{2} & \frac{1}{2} \\ \frac{1}{2} & \frac{1}{2} & \frac{1}{2} \end{cases} = 12 - (-2) = 14$$

$$D_1 = \begin{vmatrix} b_1 & a_{12} \\ b_2 & a_{22} \end{vmatrix} = \begin{vmatrix} 1 & 3 & 12 \\ 1 & 1 \end{vmatrix} = 3 - 24 = -27$$

$$X_1 = \begin{vmatrix} \frac{1}{12} & \frac{1}{2} & \frac{1}{2} \\ \frac{1}{12} & \frac{1}{2} & \frac{1}{2} \end{vmatrix} = \frac{3}{7} = 2$$

$$X_2 = \begin{vmatrix} \frac{1}{12} & \frac{1}{2} & \frac{1}{2} \\ \frac{1}{12} & \frac{1}{2} & \frac{1}{2} \end{vmatrix} = \frac{-21}{7} = -3$$

$$2(t(n,n-1,\cdots 1)) = \frac{n(n-1)}{2}$$

3. \$189 anas as 2 a44 & any aus a41 as 2 6 7 3

$$t(1324) = 1$$
 $f(4321) = \frac{4x3}{2} = 6$

D 156

人行列工的巨等国,101=107

2、交换两行/分儿, 众号

3. 可提取一行/到在国子创行到前外

$$D = \begin{cases} a_{11} & a_{12} & a_{13} \\ ka_{21} & ka_{22} & ka_{23} \\ a_{31} & a_{23} & a_{33} \end{cases} = \begin{cases} a_{11} & a_{12} & a_{13} \\ a_{21} & a_{22} & a_{23} \\ a_{31} & a_{23} & a_{33} \end{cases}$$

4. Jf

5.12加工。



 $A_{11} + A_{12} + A_{13} = \left| \begin{array}{c} 1 & 1 & 1 \\ 1 & 2 & 3 \end{array} \right| = \frac{1}{\alpha}$ $A_{21} + A_{22} + A_{23} = \left| \begin{array}{c} a & a & a \\ 1 & 1 & 1 \end{array} \right| = 0$ $A_{31} + A_{32} + A_{33} = \left| \begin{array}{c} a & a & a \\ 1 & 1 & 1 \end{array} \right| = 0$

的有什么争争就这些为一个

17 (1.11: 政事的不同行列的代表文年》(每332)由建设对 2.12年(5/到的元素x液元素x扩充的人的的分类)



二元3月4日子村

维的公式

2、V(A)越敏越少,超稀越大,另开加最大

$$\gamma(AB) \in \{\gamma(A) \mid \gamma(AB) \mid \gamma(AB) \mid \gamma(A) + \gamma(B) \mid \gamma(A) + \gamma(B) \mid \gamma(A) \mid \gamma(A) \mid \gamma(A) \mid \gamma(AB) \mid \gamma(A+B) \mid \gamma($$

3. Amxn x Bnxc = 0, rCA) fr(B) < n

4、初等变换不改变Y(A)

 $5, 0 \leq Y(A_{mxn}) \leq min(m,n)$