17. fercoet,
17. fercoet,

$$X_1 := (3,0,-2,4)$$

 $X_2 := (2,1,-1,3)$
 $X_3 := (-1,4,2,0)$
 $X_4 := (-1,1,1,1,-1)$

$$X_{1}, X_{2}, X_{3}, X_{4} \in \mathbb{R}^{4}$$

$$W := Span\left(X_{1}, X_{2}, X_{3}, X_{4}\right)$$

$$Dazis = ?$$

$$Clin(W) = ?$$

$$\begin{array}{c} x_{1,1} x_{2,1} x_{1,1} x_{1,1} & \textcircled{E} ? \\ a_{1} x_{1} + b_{2} + c_{2} + c_{3} + d_{1} x_{1,1} & = 0 & (a_{1} b_{1} c_{1} d_{1} d_{2} d_{2}) \\ a_{1} \begin{pmatrix} 3 \\ -2 \\ 4 \end{pmatrix} + b_{1} \begin{pmatrix} 2 \\ 1 \\ -1 \\ 3 \end{pmatrix} + c_{1} \begin{pmatrix} -1 \\ 4 \\ 2 \\ 0 \end{pmatrix} + d_{2} \begin{pmatrix} -1 \\ 1 \\ 1 \\ -1 \end{pmatrix} = \begin{pmatrix} 0 \\ 0 \\ 0 \\ 0 \end{pmatrix} \\ \begin{pmatrix} 3a + 2b - c - d = 0 \\ b + 4c + d = 0 \\ \end{pmatrix} \\ \begin{pmatrix} -2a - b + 2c + d = 0 \\ 4a + 3b - -d = 0 \end{pmatrix} \\ \begin{pmatrix} 4a + 3b - -d = 0 \\ -d = 0 \end{pmatrix} \\ \begin{pmatrix} 4a + 3b - -d =$$

$$Spu(x_1, x_2, x_3) = |X| \qquad (x_1, x_2, x_3) \in \mathcal{Y}$$

$$x_1, x_2, x_3 \in \mathbb{P}$$

$$a. x_1 + b \cdot x_2 + c. x_3 = 0 \implies c = \frac{1}{3}a \qquad a \in \mathbb{R}$$

$$s_1 = \frac{1}{3}a \qquad a \in \mathbb{R}$$

$$s_2 = \frac{1}{3}a \qquad a \in \mathbb{R}$$

$$s_3 = \frac{1}{3}a \qquad a \in \mathbb{R}$$

$$s_4 = \frac{1}{3}a \qquad a \in \mathbb{R}$$

 $C = 3\alpha - \frac{8}{3}\alpha = \frac{1}{3}\alpha$

M DM .: X₁, X₂, X₃ E a·x,+ b·x2+c·x3=0) <=> a-b-c-0

 $(X_1)^{X_2}$, (X_3)

ax_{1+l-x₂+cx₃=0 - nous von nembrialis mo-a}

ato vagy bto vagy (#1)

$$a \times_{1} + l \times_{2} + c \times_{3} = 0 - nak \quad \exists \text{ nemtrin } \text{ mo-a}$$

$$pl: a = 1, b = -\frac{1}{3} | c = \frac{1}{3}$$

$$= \geqslant \text{ elhaqyinl } \times_{3} - \text{ at}$$

$$Span(\times_{1}, \times_{2}) = W / \times_{1, \times_{2}} \textcircled{E} = \geqslant \times_{1, \times_{2}} \textcircled{E} - a$$

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$$(\times_{1}, \times_{2}) = W / \times_{1, \times_{2}} \textcircled$$

 $\overrightarrow{2}$ \times_1 , \times_2 , \times_3 , \times_4 , $\times_5 \in \mathbb{L}^4$ $\left[\underline{\mathbb{D}} - \underline{\mathbb{D}} + \underline{\mathbb{C}} \right]$ a, X, X2 lehet-e B) 24-ben? Nem, ment 2 < 4 24-ben? (5, X1, X2, X3, X4, X5 (B)-C B) = (F) + (G) 5 > 4 => nem (F) (Biz: Szorg.) (C) L(F)