Somier 4 Coordonatele unu vector ritro bosa. Solimbaras

Coordonatele unui vector ritro bosa. Solimbaraa mordovek lor la solimbarea basei

Notitui too retice

a) B ≤ R" (=> {i) card B = n = dim R" (ii) B - L.i (=> ζ = N (nr. vod.), unde A - matricea componentable voctoriberdan B

a) multimea de vertor à formação obação ou aprilis. P3 (28 5 23);

9) de parinofi cocadenate o respondir n= (3-14), or pase B(not: 1= (2-14), => 18=5)

c) Lying recenquenter meximi mens or para B muy si-11-1 (27: ma=[5'-1'-1]) ge permination

10 8 5 R3 (=1) {i) cand B = 3 = dim R3 (A)

a) 8 5 R3 (=1) {i) B-1.i (=> 6 = 3 (= 40, 40 d.) or A = (0 1 2) matrices compounde by rectangle

You debruise of a te:

P) A=(82-114) = 10 AP=[x12481x2]

Notice as interest asserbanated advantage + in bose B, advice:

NE = [ex 1 1 45 1 48] (=> A = ex 1 x1 + 45 x5 + 43 x2 (=> (32-11 A) = ex 1 (110-5) + 45 (-5 11 3) + 42 (015 1) (5)

=> (=> 4-33) (=> 4-233) (15) (=> 4-233) (=>

Verificano (caliada): == 33 (1,0,-1) + 17(-2,1,3) -8(0,2,1) = (53,0,-53) + (-20, 15,47) + (0,-16,-8) = (3,-1,4)

c) from ma=[2,-1,-1) (=> m== 2n,-2x-n) = 2(40-1) - (-2,1,3) - (-012) = (41-5)-6)

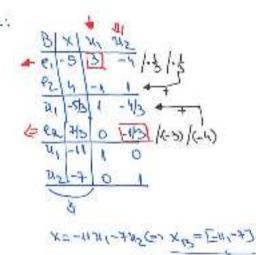
dais = (4-5)-6) = (=1 w = 40, -302-60) (=1 w = [4-5, -6] unde (00) {000 } = (400)

e.d..

(3) Fie (3) {
$$u_{1} = (3,-1)^{\frac{1}{2}} \in \mathbb{R}^{2}$$
 | $u_{1} = (5,2)^{\frac{1}{2}} \in \mathbb{R}^{2}$ | $u_{2} = (-3,-1)^{\frac{1}{2}} \in \mathbb{R}^{2}$ | See care

- 9) B; B' S RE
- P) x = (-2'8) = > {x8=3
- c) A= [15] => AB1 = ;
- 9) 38=[-1'-3] => 5B = 5
- 6) 28/18; 4 2,8/18/ = 5

200: portu alelalk priet voi folioi dear luna sulostidation (nu vi not lu Caus)



Verificase: x8=[-11,-7] (=1 x = -112, -722 = -11 (3,-1) -7 (-4,1) = (-53+28, 11-7) = (-5,4) (adas).

ps) x8 = [bubs] Sous. E 62 6 0 15 /-5/-8 8 17 1 Yent: XN = [7, 80] = x = 144, +30 42 \$= 174 +30 02G1 X= 14(52) +34-3-17 x81=[17,30] = (85,34) + (-9,0,-3,5)

= (-51/2) [(dea)

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c) AB1 = [b1/b2] { b1/b5=3 a2: A= b19146505}
         Fromos TB= [15] (=) A= 11+5x5 (=> A= (3)-1)_1+5(-11)_1 (=) A=(-2) 1)_1 ((=) A=-261+65)
                                                                                                                                                                                                                                      Verificae
     = \(\frac{e_2}{e_1} \) = \(\frac{1}{e_1} \) \(\frac{2}{e_1} \) \(\frac{1}{e_1} \) \(\frac{1}{e_2} \) \(\frac{1}{e_1} \) \(\frac{1}{e_2} \) \(\frac
                                                                                                                                                                                                                                           7-84,+1542=8(5,2)+15(-3,-1)= (-5,0) (adu)
                 12-1-2 1 -1
0, 8 1 0 February
            J= 8 47+12 45
          3B1 = [8,15]
d) 2 B = [d1, d2] + K1, d2 = ? at 2 = K124 + d222 }
    Din: 24 = [-1,3] (=) ==-4,-342 = -(512),-3(-5,-1)=(411),
                                                                                                                                                             1 = 4e, + e2
              6 8 H O (C-0/C-0)
                                                                                                                                                                       -02=-821-7UZ
                      De == 100
                    30-801-+202 (=) 30=[-8,+] , very: ==-8 (3,-1) -+ (-1,1) = (-26, +8) + (28, -1) = (4,1)
6) 61) 38,18 pt (211 215) 021 (4) pt = 21/14+215 gs { (41) = (21 255) (11) }
                       B & 12 1 11, 22
                             \frac{1^2 = \frac{1}{2}\pi' + \frac{1}{2}\pi^2 = \frac{1}{2}\pi' = \frac{1}\pi' = \frac{1}{2}\pi' = \frac{1}{2}\pi' = \frac{1}{2}\pi' = \f
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$$\begin{cases} u_1 = -64, \text{ with } d_2 & \xrightarrow{(w)} & S_1^{1} = \begin{pmatrix} -6 - 11 \\ + & 12 \end{pmatrix} \\ u_2 = +345 + 1342 & \xrightarrow{(w)} & S_1^{1} = \begin{pmatrix} -6 - 11 \\ + & 12 \end{pmatrix} \end{cases}$$

Condusie finate:

$$a_j = a_{ij} = \begin{pmatrix} a & c \\ -ip & -ii \end{pmatrix}$$
 $A_j = \begin{pmatrix} a & ip \\ -c & -ii \end{pmatrix}$

funda SESBIB m SIES'BB' €. Aven:

$$|A| = |A| \times |A| = |A| \times |A| = |A| \times |A|$$

$$= \left(\frac{1}{2^{2}} \right)^{-1} \times_{B} = \left(\frac{1}{2^{-1}} \right)^{-1} \times_$$

c)
$$\mathcal{A}^{B_1} = (\partial_2)_{-1} \mathcal{A}^B = (\partial_{-1})_{\perp} \mathcal{A}^B = \partial_{1} \mathcal{A}^B = \begin{pmatrix} -n & \nu \\ -e & x \end{pmatrix} \begin{pmatrix} s \\ t \end{pmatrix} = \begin{pmatrix} 12 \\ 8 \end{pmatrix}$$

$$\frac{-A}{7} = \frac{A}{2} \cdot S^{B_{1}} = \begin{pmatrix} -a & e \\ -a^{2} & \tau \end{pmatrix} \begin{pmatrix} -2 \\ -1 \end{pmatrix} = \begin{pmatrix} -2 \\ -8 \end{pmatrix}$$

of calculate 5-1