Lagarne 5.) (1) A = (1, 2, 5, 10) B=(7,-3,4,8) 2.A = (2,4,10,20) A+B=(8,-1, 9, 18) A×B = 1×7+2×(-3)+5×4+8×10=101  $(5E)^{-1} = 5 \begin{vmatrix} 10000 \\ 01000 \\ 000100 \\ 00001 \end{vmatrix} = \begin{vmatrix} 50000 \\ 05000 \\ 00500 \\ 000500 \end{vmatrix}$  $\begin{pmatrix}
0.50000 \\
0.05000 \\
0.00500
\end{pmatrix}$   $\times$   $\times$   $=
\begin{pmatrix}
10000 \\
0.1000 \\
0.0100 \\
0.0010
\end{pmatrix}$ Dur 100 Fileeletta 5. Hoot O. H10+ ... + O. Kup = 1 => Hoo 5 De 220 Francisco 5. x01 + O. x11 + ... + O. x41 = 0 = > R01 = 0 u r.g. busine:

$$u = g. b \text{ value}: (5E)^{-1} = \begin{cases} \frac{1}{2} 0000 \\ 0 \frac{1}{2} 000 \\ 0000 \frac{1}{2} \end{cases}$$

(2) 
$$\det \begin{vmatrix} 1 & 23 \\ 406 \end{vmatrix} = 1. \begin{vmatrix} 06 \\ 19 \end{vmatrix} - 2. \begin{vmatrix} 46 \\ 79 \end{vmatrix} + 3. \begin{vmatrix} 40 \\ 78 \end{vmatrix} =$$

$$= 1 \cdot (0 - 48) - 2 (36 - 42) + 3 \cdot (32 - 0.7) = -48 + 12 + 96 =$$

$$= 60$$

det A = 60 - us mpouroro zagarura

$$M = \begin{pmatrix} -48 & -6 & 32 \\ -6 & -12 & -6 \\ 12 & -6 & -8 \end{pmatrix}$$

$$A_{*} = \begin{pmatrix} -48 & 6 & -32 \\ 6 & -12 & 6 \\ 12 & 6 & -8 \end{pmatrix}$$

$$A_{*} = \begin{pmatrix} -48 & 6 & -32 \\ 6 & -12 & 6 \\ 12 & 6 & -8 \end{pmatrix} \qquad A_{*} = \begin{pmatrix} -48 & 6 & 12 \\ 6 & -12 & 6 \\ -32 & 6 & -8 \end{pmatrix}$$

$$\frac{1}{4} = \frac{1}{4} \frac{1}{60} = \begin{vmatrix} -\frac{18}{60} & \frac{1}{10} & \frac{12}{60} \\ \frac{1}{10} & \frac{12}{60} & \frac{1}{10} \\ -\frac{3L}{60} & \frac{1}{10} & -\frac{8}{60} \end{vmatrix} = \begin{vmatrix} -0.8 & 0.1 & 0.2 \\ 0.1 & -0.2 & 0.1 \\ -\frac{8}{15} & 0.1 & -\frac{2}{15} \end{vmatrix}$$

(a) 
$$\bar{A} = (1,5)$$
;  $\bar{B} = (2,8)$ 

(5) 
$$\bar{a} = (1,5,0); \; \bar{B} = (2,8,7); \; \bar{c} = (7,1.5,3)$$
  

$$(a,b,c) = \begin{vmatrix} 1 & 5 & 0 \\ 2 & 8 & 7 \end{vmatrix} = 7.35 - \frac{3}{2} \cdot 7 + 3(-2) = 228,5$$

$$7 + 7.5 - 3$$