$$A = \begin{pmatrix} 2 & 0 & 2 \\ 3 & 4 & 1 \end{pmatrix}$$

$$\beta = \begin{pmatrix} \beta & 2 & 3 \\ 5 & 7 & 4 \end{pmatrix}$$

$$(A_1; B_3): (V_1; V_2) = (2; 9)$$

$$(A_{2}, B_{2}): (V_{4}, V_{2}) = (4, 7)$$

N90

$$A = \begin{pmatrix} 4 & 2 \\ 2 & 4 \end{pmatrix}$$

$$\beta = \begin{pmatrix} 3 & 4 \\ 4 & 5 \end{pmatrix}$$

$$\alpha) \quad \left(A_{1}; B_{1} \right); \quad \left(V_{1}; V_{2} \right) = \left(U_{1}; 3 \right)$$

$$(A_1; b_2): (v_1; v_2) = (u'_55)$$

8 Cullemantibes Cip-russ

1 upek:
$$\begin{pmatrix} 3 \\ 4 \end{pmatrix} - \begin{pmatrix} 1 \\ 5 \end{pmatrix} = \begin{pmatrix} 2 \\ -1 \end{pmatrix} \Rightarrow P^* = \begin{pmatrix} \frac{1}{3} & \frac{2}{3} \\ \frac{1}{3} & \frac{2}{3} \end{pmatrix}$$

$$2upok$$
: $(4,2) - (2,4) = (2,-2) = 0$

$$V_1 = \mathcal{H}_1(A; Q^*) = (4; 2) \cdot (\pm ; \pm) = 3$$

$$V_2 = H_2(B_1P^*) = \begin{pmatrix} 3 \\ u \end{pmatrix} \cdot \begin{pmatrix} 1/3 \\ 2/3 \end{pmatrix} = 1 + \frac{2}{3} = \frac{11}{3}$$

$$\delta \qquad \delta^* = \left(\frac{1}{2}, \frac{1}{3}\right)$$

$$\left(\Lambda^{2},\Lambda^{5}\right) = \left(3^{-\frac{3}{2}},\frac{3}{11}\right)$$

$$A = \begin{pmatrix} 4 & 4 \\ 3 & 4 \end{pmatrix}$$

$$B = \begin{pmatrix} 4 & 4 \\ 2 & 6 \end{pmatrix}$$

2) <u>b</u> anemætetible ap-x: teei, i. K. urpa

papelluller b golldrupgrælges ap

Mantur. perbréobèceel neur uchurorent gamen-igne

$$A = \begin{pmatrix} 1 & 0 \\ 1 & 2 \\ 0 & 2 \end{pmatrix} \qquad \beta = \begin{pmatrix} 1 & 0 \\ 1 & 1 \\ 0 & 2 \end{pmatrix}$$

a) b mucioux exparements

Moseche bumepenbais Touble cembres gomerneperousue cipaterna

bopbola za poeteker Pupiler B-monomer na 2 poerexax Pupeller A- xouet jourte nou 2 my pleenkob => phogut periouny Supella B ne zhaet, ha rouvou poinex janger A upparubogencibyer npabogra konsp araky na ognam y portual

Eau A - besp-et sporthogénéthère - upours

I poinor > I

Maisu pableabecue Neura

$$A = \begin{bmatrix} \mathbf{I} & \mathbf{I} & \mathbf{I} \\ -4 & 2 \\ \mathbf{I} & -1 \end{bmatrix} \cdot \begin{bmatrix} \mathbf{I} & \mathbf{I} \\ 4 & -2 \\ \mathbf{I} & 1 \end{bmatrix}$$

Met t. pabrobleur rema bune. ct-mesc

$$p^* = \begin{pmatrix} 4 \\ -1 \end{pmatrix} - \begin{pmatrix} -2 \\ 4 \end{pmatrix} = \begin{pmatrix} 6 \\ -2 \end{pmatrix} = > p^* = \begin{pmatrix} \frac{3}{4} & \frac{3}{4} \end{pmatrix}$$

$$Q^{*} = \begin{pmatrix} -4 & 2 \end{pmatrix} - \begin{pmatrix} 4 & -1 \end{pmatrix} = \begin{pmatrix} 5 & 3 \end{pmatrix} \Rightarrow Q^{*} = \begin{pmatrix} \frac{3}{3} & \frac{5}{3} \end{pmatrix}$$

$$V_1 = N_1 \left(\frac{3}{3}, \frac{3}{3} \right) = \left(\frac{3}{3}, \frac{3}{3} \right) = \frac{3}{3} - \frac{5}{3} = -\frac{1}{4}$$

$$V_2 = H_2 \left(P^*, B \right) = \begin{pmatrix} 0,25 \\ 0,75 \end{pmatrix} \cdot \begin{pmatrix} -2 \\ 4 \end{pmatrix} = -\frac{1}{2} + \frac{3}{4} = \frac{1}{4}$$

Other:
$$P^* = (\frac{1}{4}; \frac{3}{4})$$

$$Q^* = (\frac{3}{7}; \frac{5}{3})$$

$$V = (-\frac{1}{4}; \frac{1}{4})$$

T. X. legun. T. porb-a helua - burupoeur

A - otpleyarentheur => cer he croent zaxogents

ma poetiker

$$A = \begin{pmatrix} 1 & 3 \\ 2 & 4 \end{pmatrix} \quad \beta = \begin{pmatrix} 0 & 2 \\ 4 & 0 \end{pmatrix}$$

Lax upme gen-T6 I upoky

$$\mathbb{P}^{*}: \begin{bmatrix} 0 \\ 4 \end{bmatrix} - \begin{bmatrix} 2 \\ 0 \end{bmatrix} = \begin{bmatrix} -2 \\ 1 \end{bmatrix} = \mathbb{P}^{*}: \begin{bmatrix} \frac{1}{2} & \frac{2}{3} \end{bmatrix}$$

$$Q^*: (1;3) - (2;4) = (-1;-1) => Q^* = (\frac{1}{2};\frac{1}{2})$$

$$V_1 = h_1 \left(\frac{1}{2} + \frac{1}{2} \right) = \left(\frac{1}{2} + \frac{1}{2} \right) \cdot \left(\frac{1}{2} + \frac{1}{2} \right) = 1 + 2 = 3$$

$$V_2 = H_2 \left(P^*, B \right) = \left(\frac{1}{3}, \frac{2}{3} \right) \cdot \left(\frac{0}{2} \right) = \frac{2}{3}$$