$$A = \begin{pmatrix} 10 & 5 & 2 \\ 1 & 9 & 7 \end{pmatrix} \qquad P = \begin{pmatrix} P & 1 - P \end{pmatrix}$$

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1	1	10
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3	7	2,

$$A = \begin{pmatrix} 10 & 2 \\ 1 & 7 \end{pmatrix}$$

$$\begin{pmatrix} 40 \\ 1 \end{pmatrix} - \begin{pmatrix} 2 \\ 7 \end{pmatrix} = \begin{pmatrix} 8 \\ -6 \end{pmatrix} \qquad P^{5} = \begin{pmatrix} \frac{6}{14} ; \frac{4}{14} \end{pmatrix} = \begin{pmatrix} \frac{3}{7} ; \frac{4}{7} \end{pmatrix}$$

$$\begin{pmatrix} 40 & 2 \end{pmatrix} - \begin{pmatrix} 4 & 7 \end{pmatrix} = \begin{pmatrix} 9 & -5 \end{pmatrix} \qquad \hat{Q}^5 = \begin{pmatrix} \frac{5}{14} & \frac{9}{14} \end{pmatrix}$$

$$\hat{Q}^{5} = \left(\frac{5}{14}; \frac{9}{14}\right)$$

$$V = P^{3} \cdot B_{1} = \begin{pmatrix} \frac{3}{7} \\ \frac{4}{7} \end{pmatrix} \cdot \begin{pmatrix} 10 \\ 1 \end{pmatrix} = \frac{30+4}{7} = \frac{34}{7}$$

Other:
$$P^* = \left(\frac{3}{7}, \frac{4}{7}\right)$$

$$Q^* = \left(\frac{5}{14} : \frac{9}{14}\right)$$

$$V = \frac{34}{7}$$

$$A = \begin{pmatrix} 4 & 7 \\ 9 & 3 \\ 5 & 9 \\ 6 & 9 \end{pmatrix}$$

Donekupobane

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1)
$$A = \begin{pmatrix} 4 & 5 & 4 & 0 \\ 5 & 4 & 3 & 4 \\ 4 & 4 & 3 & -1 \end{pmatrix}$$

$$\begin{pmatrix} 1 & 5 & 1 & 0 \\ 1 & 0 & 0 & 0 \\ 1 & 0 & 3 & -1 \end{pmatrix} \text{ I crade generupyer } \mathbb{F}$$

$$\begin{pmatrix} \mathcal{J} \\ \mathcal{I} \\ \mathcal{I} \\ \mathcal{I} \end{pmatrix} \Rightarrow \begin{pmatrix} \mathcal{O} \\ \mathcal{I} \\ \mathcal{I} \end{pmatrix}$$

$$\rho^{3}\begin{pmatrix} 4\\3 \end{pmatrix} - \begin{pmatrix} 0\\4 \end{pmatrix} = \begin{pmatrix} 4\\-1 \end{pmatrix} \Rightarrow \begin{pmatrix} \frac{1}{5} & \frac{4}{5} \end{pmatrix}$$

$$Q^{3}(40)-(34)=(1-4)=> \left(\frac{4}{5};\frac{1}{4}\right)$$

$$)) = \left(\frac{4}{5}, \frac{1}{4}\right) \cdot \left(4 \circ\right) = \frac{16}{5} = 3, 2$$

$$\frac{\text{Other}}{\text{Other}}: P^* = \left(\frac{1}{5}; \frac{4}{5}; 0\right)$$

$$O^* = \left(0; 0; \frac{4}{5}; \frac{1}{5}\right)$$

Ha MCTKAX

$$A^{5} = \begin{pmatrix} -1 & 2 \\ 2 & 0 \\ -2 & 3 \end{pmatrix}$$

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

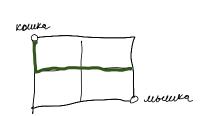
$$Q^{5} = \begin{pmatrix} 1 & 0 \end{pmatrix} - \begin{pmatrix} -1 & 2 \end{pmatrix} = \begin{pmatrix} 2 & -2 \end{pmatrix} = \begin{pmatrix} 2 & -2 \end{pmatrix} = \begin{pmatrix} 2 & -2 \end{pmatrix} = \begin{pmatrix} 2 & 2 \end{pmatrix}$$

Other:
$$P^* = \left(\frac{3}{4}, \frac{1}{4}, 0\right)$$

$$\mathbb{Q}^{*} = \left(\frac{1}{2}; \frac{1}{2}; 0; 0\right)$$

$$\gamma = \frac{1}{2}$$

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1)	->	5)
2)		6)



3)

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Milluka									
	1	2	3	4	5	6	7	8	1
1	0	0	Ò	1	0	0	0	1	
2	0	1	1	1	1	1	1	0	
3	0	1	1	1	1	1	1	6	
4	1	1	1	1	1	1	1	D	
5	0	1	1	1	1	1	1	1	_
6	0	1	1	1	1	1	1	0	
7	0	1	1	1	1	1	1	0	
8	1	0	0	0	0	0	0	0	

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

$$A^{5} = \frac{4}{5}\begin{pmatrix} 1 & 3 \\ 1 & 0 \\ 0 & 1 \end{pmatrix}$$

$$\begin{pmatrix}
\uparrow \downarrow \downarrow \\
0
\end{pmatrix} - \begin{pmatrix}
0 \\
4
\end{pmatrix} = \begin{pmatrix}
4 \\
-1
\end{pmatrix} = \begin{pmatrix}
1 \\
2
\end{pmatrix} + \begin{pmatrix}
1 \\
2
\end{pmatrix}$$

$$\bigvee \rangle \rangle = \frac{1}{2} \cdot 1 + \frac{1}{2} \cdot 0 = \frac{1}{2}$$