

$$f^{\theta} \times \longrightarrow y$$
 $y = A_2(A_1 \times b_1) + b_2$
 $y = A_2 \times b_1$

$$AB = \begin{pmatrix} \alpha_{11} & \alpha_{12} & \dots & \alpha_{1n} \\ \alpha_{21} & \dots & \alpha_{nn} \end{pmatrix} \begin{pmatrix} b_{11} & b_{12} & \dots & b_{1n} \\ \vdots & \vdots & \ddots & \vdots \\ b_{n1} & \dots & b_{nn} \end{pmatrix}$$

$$(AB)_{ij} = \sum_{k=1}^{n} \alpha_{ik} b_{kj}$$

$$Q_{i,j} = \{1, \dots, J, i \in \mathcal{J}, i \in \mathcal{J}\}$$

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

 $A^{2} = \begin{pmatrix} 0 & 0 & 1 \\ 1 & 0 & 0 \\ 0 & 1 & 0 \end{pmatrix} \quad \begin{array}{c} 4 \text{ NC } 10 & \Pi \text{YTEU } \text{A} \text{NUHBI } 2 & \text{CAMB} \\ \text{KAXAOU } \Pi \text{APBI } \text{UNA} \end{pmatrix}$

$$(A^2)_{13} = \sum_{\kappa=1}^{3} A_{1\kappa} A_{\kappa 3} = O_{12} O_{23}$$

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

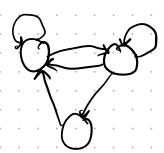
MPOBERKA FRATA HA CBASHOCTO BOSE MATE CM. B CTETTEHO

$$\sum_{K=1}^{N-1} A^{K} \qquad \text{BCE HEHYLEBbIE} => \Gamma P A \Phi CBA3HbIU$$

HAUB MATP YMH. O(1V13)

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MORPO BYEM YCKOPUTO



$$\hat{A} = A + I$$

$$\left(A \leftarrow I\right)^{n-1}$$



$$\left(A^{k-1}A\right)_{i,j}=\bigvee_{m=1}^{n}\left(A^{k-1}\right)_{i,m}\wedge A_{m,j}$$