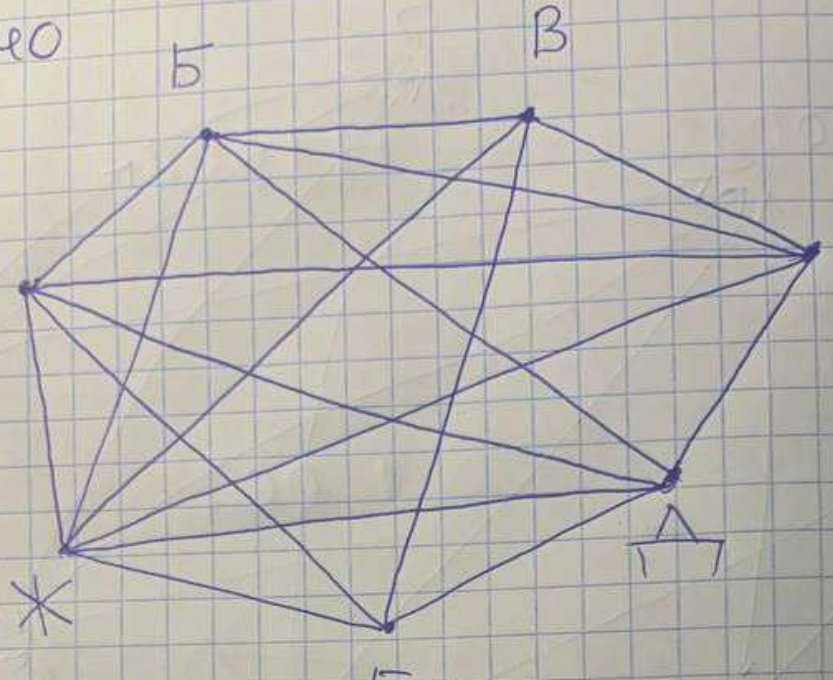
IV В-40



$$K_{ij} = \begin{cases} 0, & (V_i; V_j) \notin \Gamma_2 \\ -1, & (V_i; V_j) \in \Gamma_2 \\ \deg(V_i), & i = j \end{cases}$$

Матрица Кирхгофа

	А	Б	В	Г	Д	Е	*
А	5	-1	0	-1	-1	-1	-1
Б	-1	5	-1	-1	-1	0	-1
В	0	-1	4	-1	0	-1	-1
Г	-1	-1	-1	5	-1	0	-1
Д	-1	-1	0	-1	5	-1	-1
Е	-1	0	-1	0	-1	4	-1
*	-1	-1	-1	-1	-1	-1	6

$\Sigma_{стр} = 0$

$$\begin{vmatrix} 5 & -1 & 0 & -1 & -1 & -1 & -1 \\ -1 & 5 & -1 & -1 & -1 & 0 & -1 \\ 0 & -1 & 4 & -1 & 0 & -1 & -1 \\ -1 & -1 & -1 & 5 & -1 & 0 & -1 \\ -1 & -1 & 0 & -1 & 5 & -1 & -1 \\ -1 & 0 & -1 & 0 & -1 & 4 & -1 \\ -1 & -1 & -1 & -1 & -1 & -1 & 6 \end{vmatrix} \cdot \begin{matrix} \\ \cdot(-1) \\ \\ \\ \\ \\ \end{matrix} =$$

$$= (-1)^3 \cdot \begin{vmatrix} -1 & -1 & -1 & -1 & 0 & -1 \\ 0 & 4 & -1 & 0 & -1 & -1 \\ -1 & -1 & 5 & -1 & 0 & -1 \\ -1 & 0 & -1 & 5 & -1 & -1 \\ -1 & -1 & 0 & -1 & 4 & -1 \\ -1 & -1 & -1 & -1 & -1 & 6 \end{vmatrix} \begin{matrix} \text{I} \\ \text{II} \\ \text{III} \\ \\ \\ \\ \end{matrix} = 4032$$