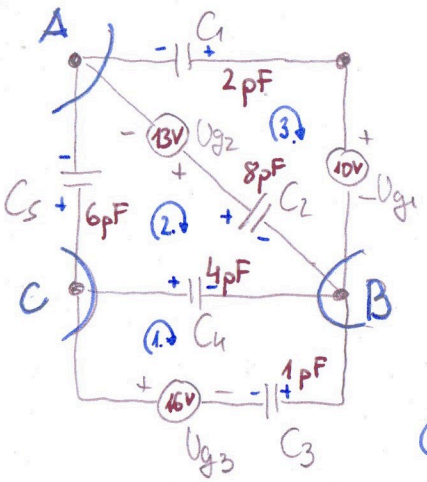


$Q = C \cdot U$

A: $-Q_1 + Q_2 - Q_5 = \emptyset$

B: $+Q_1 - Q_2 - Q_4 + Q_3 = \emptyset$

C: $+Q_5 + Q_4 - Q_3 = \emptyset$

1: $U_4 + U_3 - U_{g3} = \emptyset$

2: $U_2 - U_4 + U_5 - U_{g2} = \emptyset$

3: $U_{g1} - U_2 + U_{g2} - U_1 = \emptyset$

---

5 nezn. $U_1 - U_5$ → 5 enačb

---

A: $-C_1U_1 + C_2U_2 - C_5U_5 = \emptyset$

B: $U_1C_1 - C_2U_2 - C_4U_4 + C_3U_3 = \emptyset$

C: $C_5U_5 + C_4U_4 - C_3U_3 = \emptyset$

1: $U_4 + U_3 = U_{g3}$

2: $U_2 - U_4 + U_5 = U_{g2}$

3: $U_2 + U_1 = U_{g1} + U_{g2}$

Urejeno: neznano = znano (vstavimo C)

B: $2U_1 - 8U_2 - 4U_4 + U_3 = \emptyset$

C: $6U_5 + 4U_4 - U_3 = \emptyset$

1: $U_4 + U_3 = U_{g3}$

2: $U_2 - U_4 + U_5 = U_{g2}$

3: $U_2 + U_1 = U_{g1} + U_{g2}$

| | $U_1$ | $U_2$ | $U_3$ | $U_4$ | $U_5$ | = |
|---|---|---|---|---|---|---|
| B: | 2 | -8 | 1 | -4 | ∅ | ∅ |
| C: | ∅ | ∅ | -1 | 4 | 6 | ∅ |
| 1: | ∅ | ∅ | 1 | 1 | ∅ | 16 |
| 2: | ∅ | 1 | ∅ | -1 | 1 | 13 |
| 3: | +1 | 1 | ∅ | ∅ | ∅ | 23 |

A B

$$A = \begin{bmatrix} 2 & -8 & 1 & -4 & \emptyset \\ \emptyset & \emptyset & -1 & 4 & 6 \\ \emptyset & \emptyset & 1 & 1 & \emptyset \\ \emptyset & 1 & \emptyset & -1 & 1 \\ 1 & 1 & \emptyset & \emptyset & \emptyset \end{bmatrix}$$

$$B = \begin{bmatrix} \emptyset \\ \emptyset \\ 16 \\ 13 \\ 23 \end{bmatrix}$$

$$A^{-1}B = \begin{bmatrix} 15,91 \\ 7,09 \\ 17,77 \\ -1,77 \\ 4,14 \end{bmatrix}$$

$Ax = B \Rightarrow x = A^{-1} \cdot B$