

ilo prescios el edep otales (e · date di copi di C V,=0 - C S com porta come corto araito E/2 { 2/2 \ 1 io \ \ 2/2 · to week in L i = s -> L si com posto come circito eterto V. TE

Lakirchilf maglia Dx

$$\mathcal{E} - i_0 R_0 - i(R_4 + R_2) = 0$$
 $i = 1_0$ $R_0 = R_4 = R_2$ $R_2 = R_3$

$$\mathcal{E} - 1 \cdot 2R = 0$$
 $\rightarrow 1 \cdot \frac{\mathcal{E}}{2R} = \frac{12V}{4HD} = 3 \text{ mA}$

Lakirchholo inglia sx

$$V_{L} + \lambda_{0} R_{0} - \varepsilon = 0$$

$$V_{L} = \varepsilon - \frac{\varepsilon}{2R} \frac{R}{2} = \frac{3}{4} \varepsilon$$

$$V_{L} = \frac{3}{4} \varepsilon = 9V$$

b) Total temps dates la chiesne di T (Stazionametà)

· C si comporta core ataito aporto

· L Si carporte cons

corto circulto V =0

Lakirchholfs maglia SX

$$\mathcal{E} = i_0 \left(R_0 + R_3 + R_1 \right) = 0$$

$$\mathcal{E} = i_0 2R = 0$$

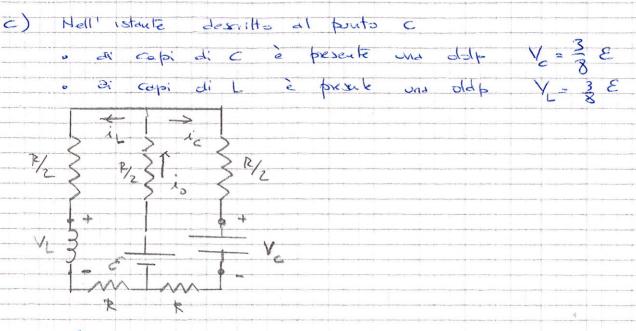
$$\mathcal{E} = i_0 2R = 0$$

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$$\frac{1}{2R} = \frac{12V}{2NSL} = 3mA$$

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Ldi Kirchholl maglia DX



Taglia SX

si3 R + V + 13R3 + 10R0 - 8 = 0

13 (R1+R3) + 10R0 - 8 + 3/8 = 0

3/2 R 13 + 8/2 10 - 5/8 = 0

Tragila DX

E-10R0-14R4-Yc-14R2=0

E-10R0-14(R2+R4)-38E=0

5/8E-10R/2-143/R=0

Ldwirchb H dei nodi

los istia

3 13 +10 -5/2 6/20 5/4 6/2 -10 -3 1/4 =0 13 = 10 - 1/4

Le cui soluzioni sono

10 = $\frac{E}{2R} = \frac{12V}{4KE} = 3 \text{ m A}$ 12 = $\frac{1}{4R} = \frac{1}{8KE} = +1.5 \text{ m A}$ 14 = $\frac{1}{4R} = \frac{12V}{8KE} = +1.5 \text{ m A}$