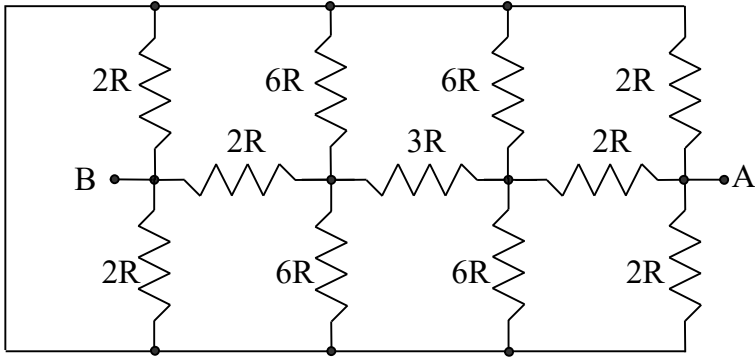
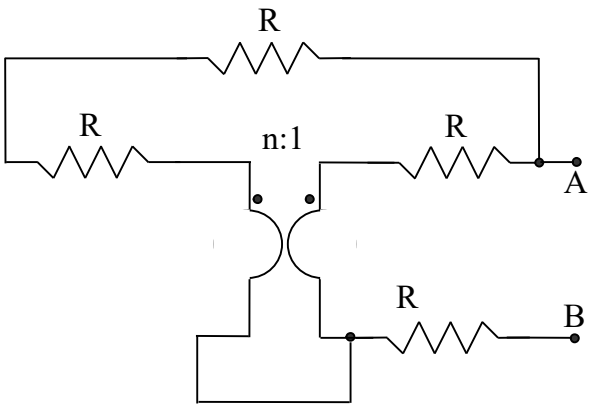
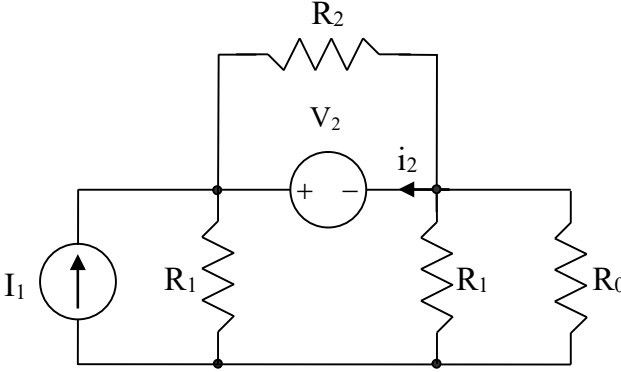
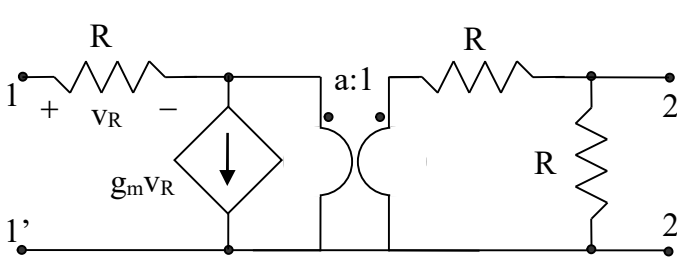


Prova d'ideità di
ELETTEOTECNICA
del 2-5-2017

1. Calcolare la resistenza equivalente ai morsetti A-B.		$R = \frac{2}{3} \Omega.$ $\langle R_{AB} = 1 \Omega \rangle$
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2. Calcolare la resistenza equivalente ai morsetti A-B, utilizzando il metodo delle correnti di anello (o di maglia).		$R = 5 \Omega,$ $n = 2.$ $\langle R_{AB} = 35 \Omega \rangle$
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3. Calcolare la corrente i_2.		$R_0 = 2 \Omega,$ $R_1 = 4 \Omega,$ $R_2 = 1 \Omega,$ $I_1 = 16 \text{ A},$ $V_2 = 32 \text{ V}.$ $\langle i_2 = 26 \text{ A} \rangle$
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4. Calcolare la matrice di trasmissione diretta [T] del doppio bipolo ai morsetti 1-1', 2-2'.		$R = 2 \Omega,$ $g_m = \frac{1}{4} \text{ S},$ $a = 2.$ $\langle [T] = \begin{bmatrix} 5 & 6 \Omega \\ 0,5 \text{ S} & 1 \end{bmatrix} \rangle$
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