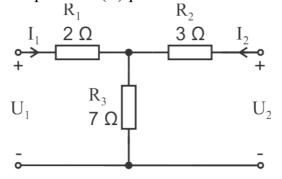
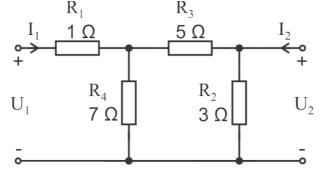
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HOMEWORK №4

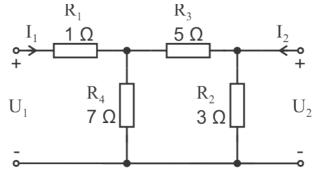
Problem 1. Obtain the impedance (Z) parameters of the two-port (5+5 points).



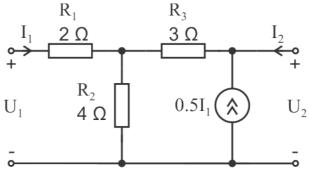
Problem 2. Obtain the hybrid (H) parameters of the two-port (5+5 points).



Problem 3. Obtain the transmission (A) parameters of the two-port (5+5 points).

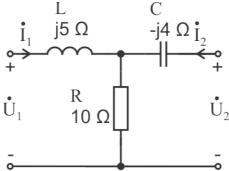


Problem 4. Obtain the inverse hybrid (G) parameters of the two-port (5+5 points).

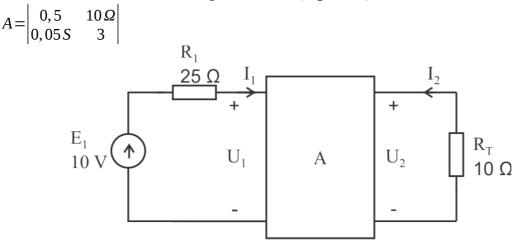


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Problem 5. Obtain the transmission (A) parameters of the two-port (5+5 points).



Problem 6. Obtain the current and power of the load R_T , if the two-port is defined with its transmission parameters (**5 points**):



Problem 7. Obtain the current and power of the load R_T , if the two-port is defined with its hybrid parameters (**5 points**):

