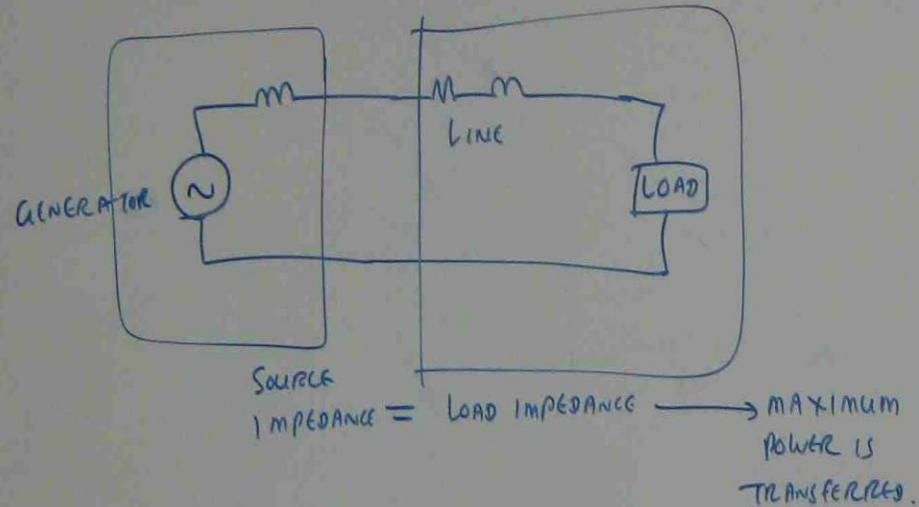


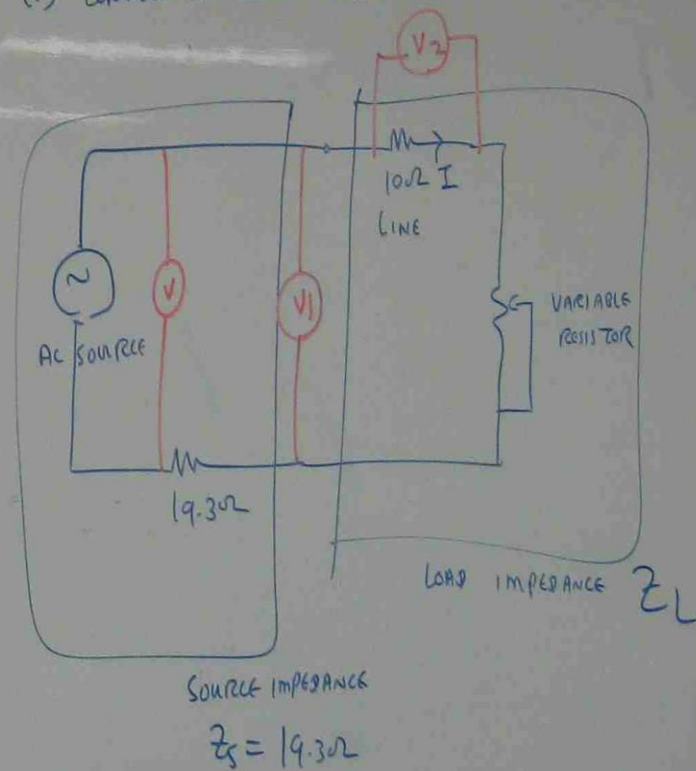
MAXIMUM POWER TRANSFER THEOREM

THEOREM

MAXIMUM POWER IS TRANSFERRED FROM THE SOURCE
WHEN SOURCE IMPEDANCE IS EQUAL TO LINE + LOAD IMPEDANCE



(1) CONNECT THE GIVEN CIRCUIT



SWITCH, ADJUST THE VARIABLE RESISTOR

NOTE V, V_1, V_2

FILL IN TABLE

Source	V_1	V_2	$I = \frac{V_2}{Z_{out}}$	Power = $V_1 \times I$
6.2	2.4			-
	3.6			-
	4.2			-
	4.7			
	5.5			
	6			
	6.2			

- WHEN POWER REACHES THE MAXIMUM POINT,
MEASURE, LINE + LOAD IMPEDANCE (Z_L)
AND THEN COMPARE WITH SOURCE RESISTANCE

Z_L & Z_S COMPARISON

