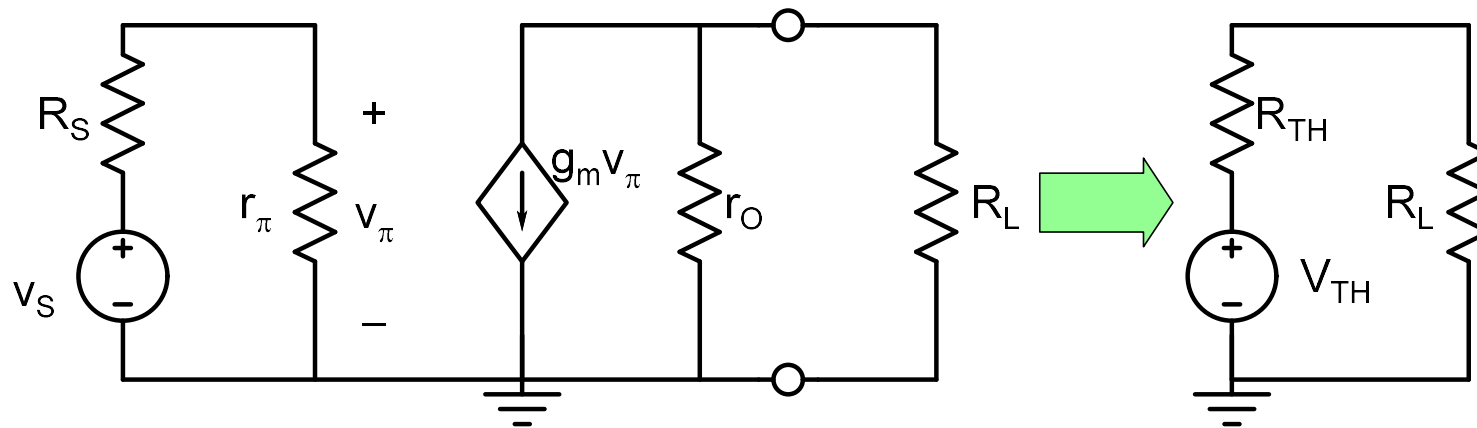# ESC201T : Introduction to Electronics
MQ2 (18/9/2020)

Q.1 Thevenin's theorem is used to carry out the circuit transformation shown below.
Determine the value of Thevenin's voltage and Thevenin's resistance-----10 marks

$$v_S = 5mV; R_S = 1k\Omega; r_\pi = 1k\Omega; g_m = 0.1\Omega^{-1}; r_O = 100k\Omega; R_L = 1k\Omega$$