Thevenin's Theorem (46:28)
Maximum Power Transfer Theorem (16:50)
DC Norton's Theorem (28:09)

For the below circuits, given E = 16V, R_1= 300 Ω, R_2= 200 Ω, R_3= 340 Ω, and R_4= 290 Ω:

1) Determine the Thevenin's equivalent circuit seen by variable load resistor R_L

2) Determine the value of variable load resistor RL that dissipates maximum power.

3) At conditions of maximum power determine the voltage across, the current through, and the power dissipated by variable load resistor RL.

4) Determine the Norton's equivalent circuit seen by variable load resistor R_L