

EE331 Spring 2009

PS2: Assigned M (1/12)

Problems

- 2.26 (find the voltage across the parallel network using the data given for the 16Ω resistor and use that voltage to calculate the remaining currents)

Ans: $i_x = 30A$, $P_{total} = 960W$

- 2.27 (voltage divider)

Ans: $V_o = 6.4V$

- 2.32 (use current dividers)

Ans: $i_1 = 3.2A$, $i_2 = 4.8A$, $i_3 = 2.4A$, $i_4 = 9.6A$

- 2.40

Ans: $R_{eq} = 5\Omega$, $I = 2A$