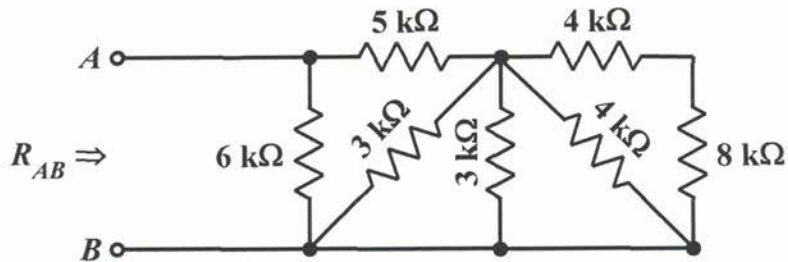


EE 2240  
Problem #05

Find  $R_{AB}$ .



$$4k\Omega + 8k\Omega = 12k\Omega$$

$$12k\Omega \parallel 4k\Omega = 3k\Omega$$

$$3k\Omega \parallel 3k\Omega = 1.5k\Omega$$

$$3k\Omega \parallel 1.5k\Omega = 1k\Omega$$

$$5k\Omega + 1k\Omega = 6k\Omega$$

$$R_{AB} = 6k\Omega \parallel 6k\Omega = 3k\Omega$$