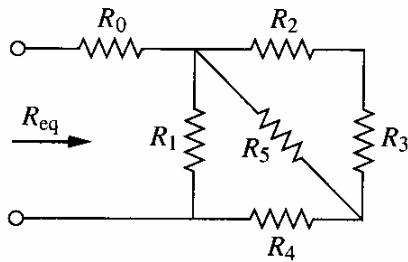# 生機系電工學第二次隨堂練習 2011/03/09
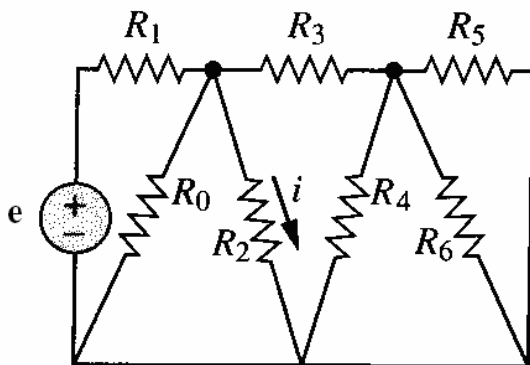
學號：＿＿＿＿＿＿＿＿　　姓名：＿＿＿＿＿＿＿＿

Problem 1

Find the equivalent resistance of the circuit as shown

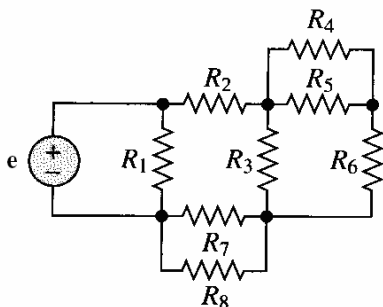
$$R_{EQ} = ((R_2 + R_3)//R_5 + R_4)//R_1 + R_0$$

Problem 2

Find the equivalent resistance seen by the source in the circuit as shown.

$$R_{EQ} = (((R_5//R_6//R_4) + R_3)//R_2//R_0 + R_1$$

Problem 3

Find the equivalent resistance seen by the source in the circuit as shown.

$$R_{EQ} = ((((R_4//R_5) + R_6)//R_3) + R_2 + (R_7//R_8))//R_1$$