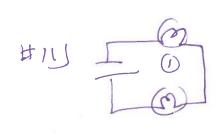
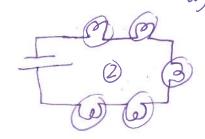
Answers to Circuit Practice Texthook Problems



11.2 #1 11.3 Practice Publicas

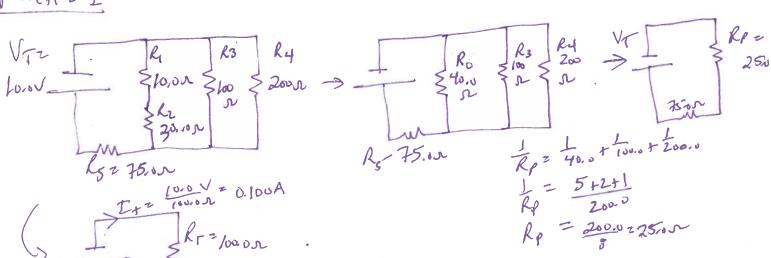




a) Circuit I would have a larger current as it has a lower total resistance (fewer bulls connected in series)

b) Bulbs would glow brighter in circuit I up the power converted by each bulb is greater (P=I2A). Since the total current is greater.

Practice 1



Vp= IRp=(0.100 A) (25.05)=2,50V. V5=10.0V-2,50V=7,50V

V12 Ist, 2 (0.0625) ((0.05L)2 0.625V) V22 Ist for 0625) (30 000 = 1.875V) V3 2V4 = 2.50V

(2h)

Pactie 2 R32 4,50 SL 1200 Vp= I-Rp= (6.0A)(7.50/L)= 450V V3= I, R3= (6.0A)(4.52) = 27.0V -> I3= 6.0A V42 ErR42 (6,0A)(8,00D)2 48,0V -> I426,0A IZ= VPZ 45.0V = 4.5A I 12 VP = 45.0V = 1.5 A