

Chip 18  
like  
(#53)  $\Delta V = \mathcal{E} - Ir$

$$\begin{array}{rcl} 120 = \mathcal{E} - 15r & 120 = \mathcal{E} - 15(4) \\ -100 = -\mathcal{E} + 20r & 120 = \mathcal{E} - 60 \end{array}$$

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$$20 = 5r$$

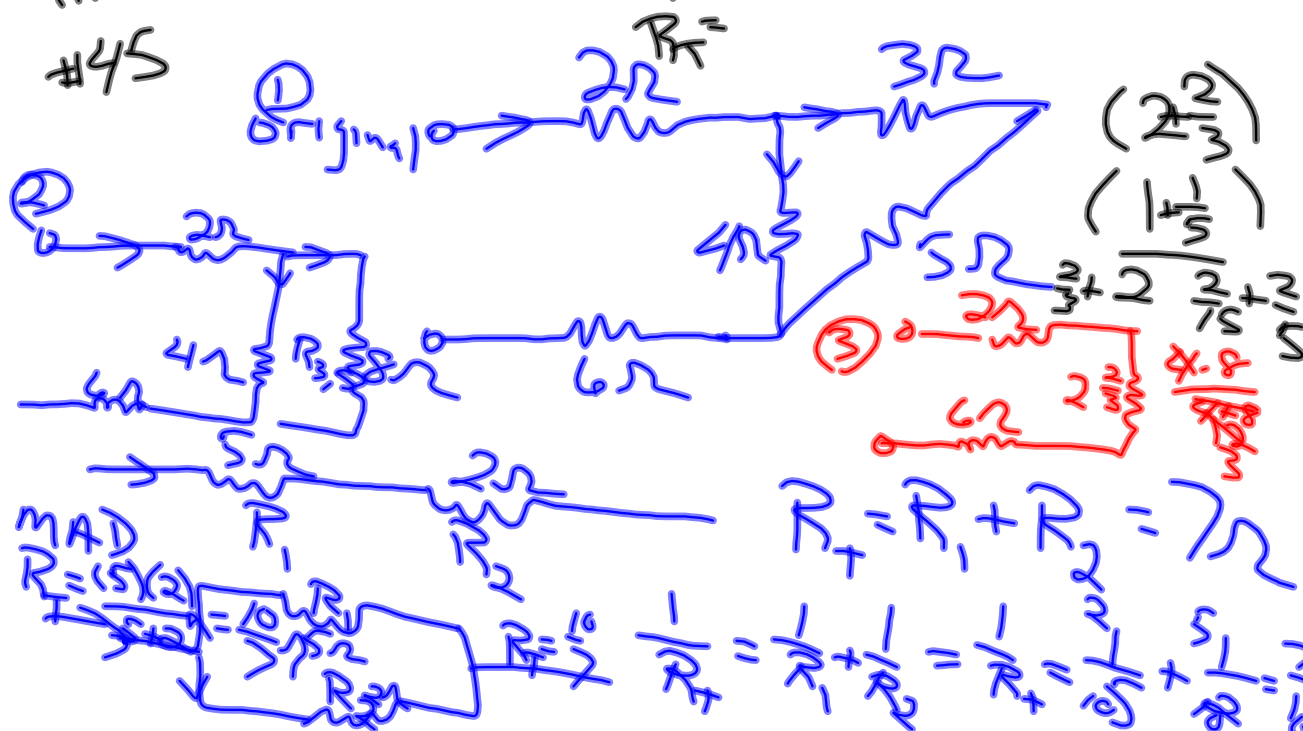
$$r = 4\Omega$$

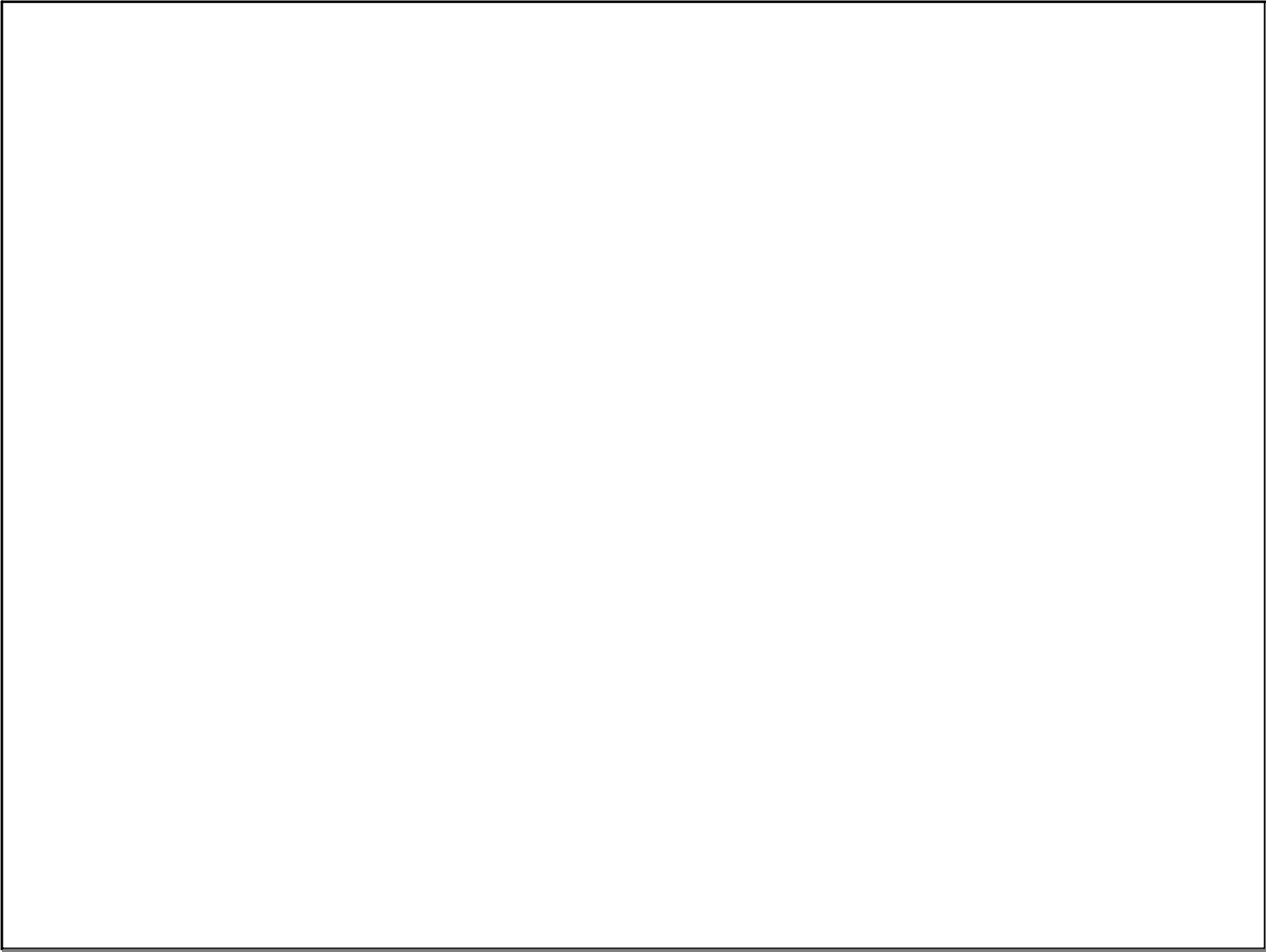
$$\mathcal{E} = 180$$

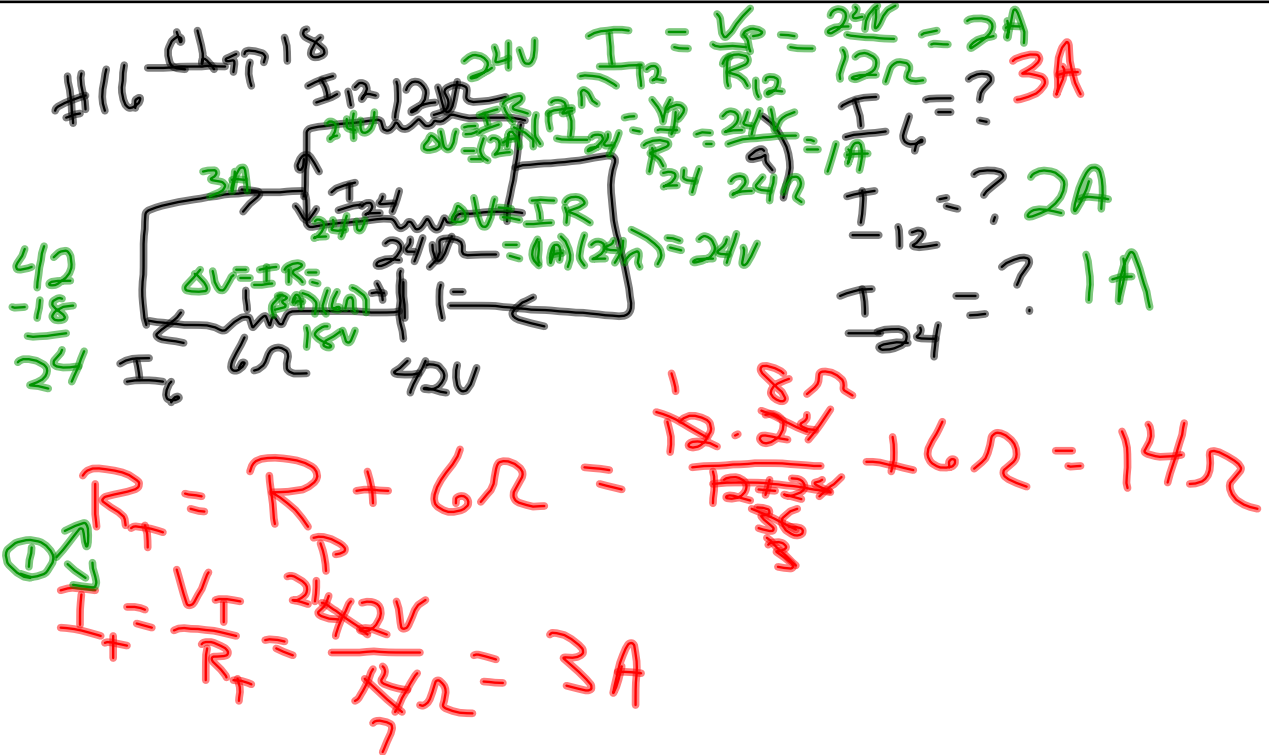
like chap 18

④  $R_T = 2\Omega + 2\frac{2}{3}\Omega = 10\frac{2}{3}\Omega$

#45

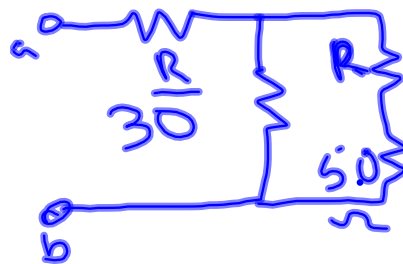
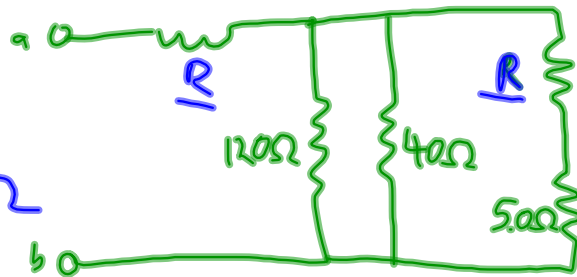






Chap 18  
# 11

$R_+ = 75 \Omega$   
 $R = ?$



$$R_p = \frac{120 \times 40}{120 + 40} = \frac{1600}{160} = 10$$