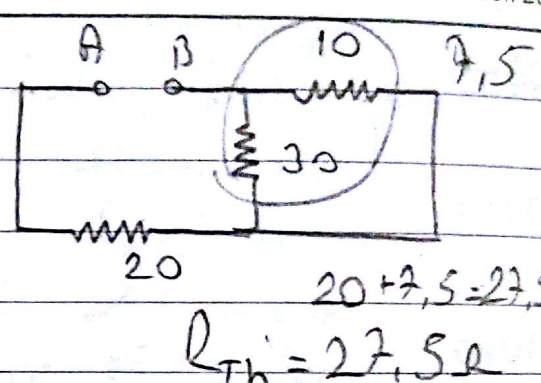
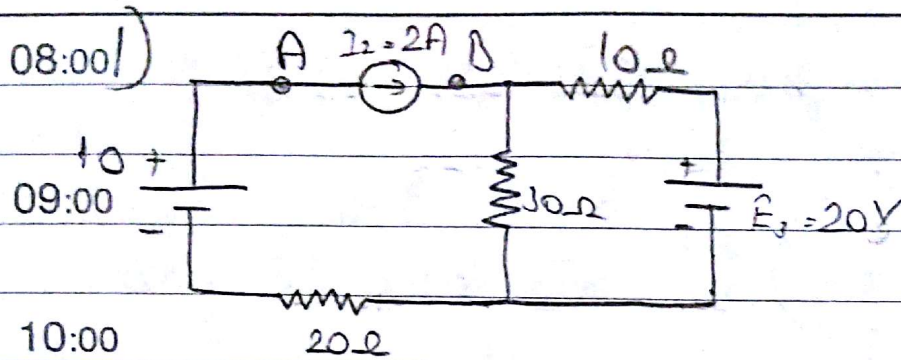
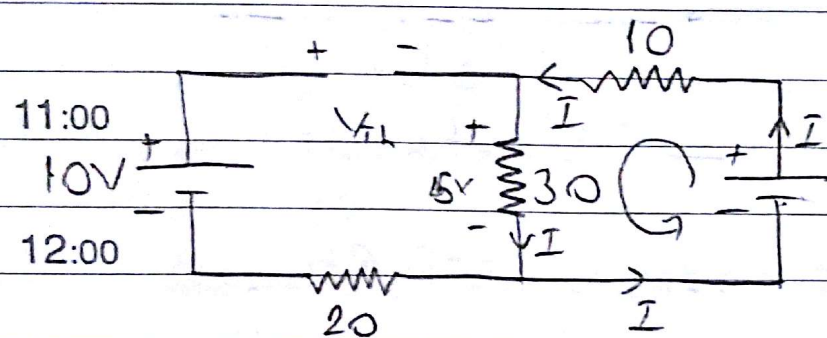


08:00)



11:00

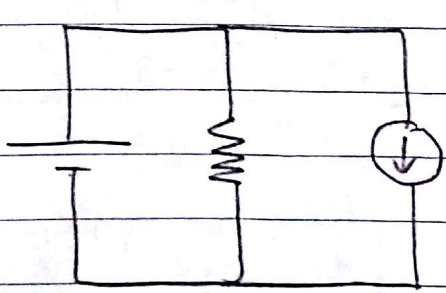


$40I = 20 \quad I = 0,5$   
 $V_{Th} = 5V$

13:00

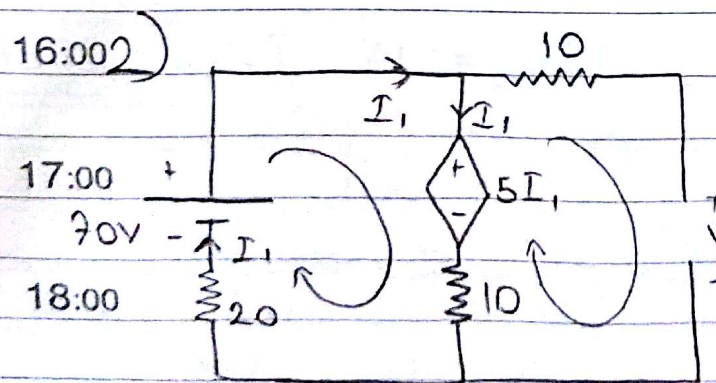
$P = I \cdot V = 2 \cdot 5 = 10W$

14:00



15:00

16:00)



$20I_1 + 5I_1 + 10I_1 = 70$   
 $35I_1 = 70 \quad I_1 = 2A$

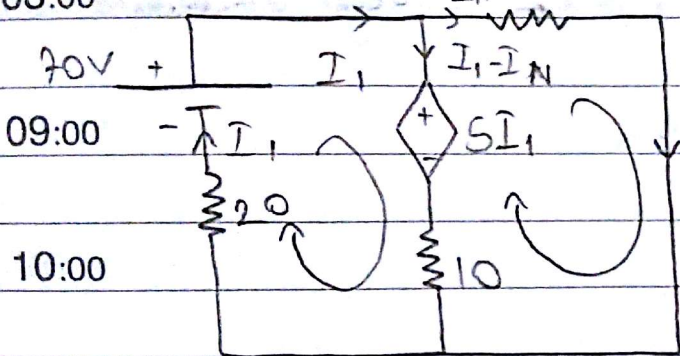
$V_{Th} = 30V$

17:00

18:00

19:00

08:00



$$20I_1 + 5I_1 + 10I_1 - 10I_N = 70$$

$$35I_1 - 10I_N = 70$$

09:00

$$10I_N - 10I_1 + 10I_N - 5I_1 = 0$$

10:00

$$20I_N = 15I_1 \quad 4I_N = 3I_1$$

11:00

$$I_1 = \frac{4}{3} I_N$$

12:00

$$35 \cdot \frac{4}{3} I_N - 10I_N = 70 \quad 36,667 I_N = 70 \quad I_N = 1,81 A$$

13:00

$$R_{Th} = \frac{V_{Th}}{I_N} = \frac{30}{1,81} = 15,714 \Omega$$

14:00

$$R_L = R_{Th} = 15,714 \Omega$$

15:00

4)

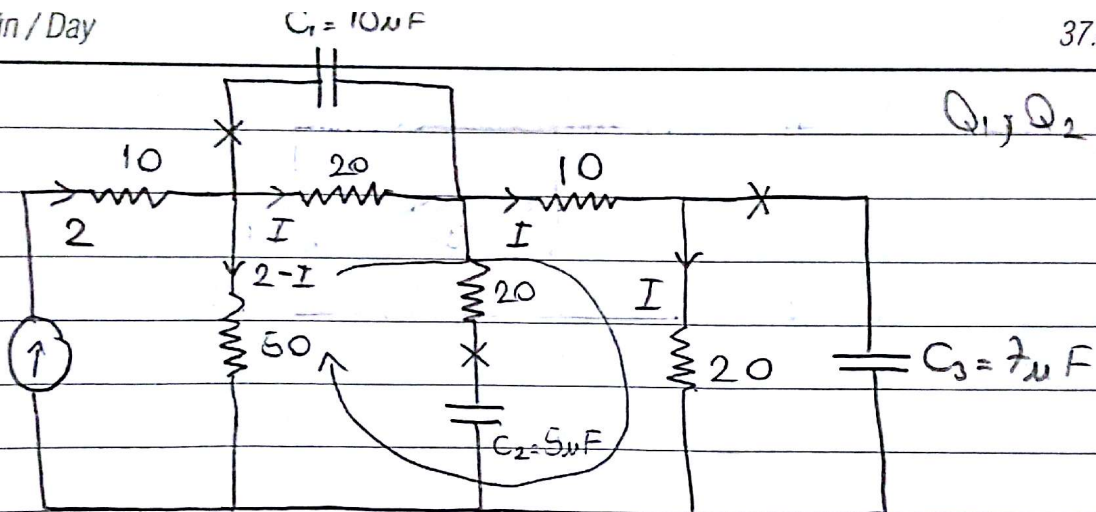
08:00

 $Q_1, Q_2, Q_3 = ?$ 

09:00

10:00  
2A

11:00



$$12:00 \quad C = \frac{Q}{V} \quad 20I + 10I + 20I - 100 + 50I = 0$$

$$100I = 100 \quad \bar{I} = 1A$$

13:00

$Q = C \cdot V$

$V_{C_1} = 20 \cdot 1 = 20V$

$Q_1 = 0,2 \text{ coulomb}$

14:00  $V_{C_2} = 30 \cdot 1 = 30V$

$Q_2 = 0,15 \text{ coulomb}$

$V_{C_3} = 20 \cdot 1 = 20V$

$Q_3 = 0,14 \text{ coulomb}$

15:00

16:00

23	24	25	26	27	28	29
30	31					

September  
Сентябрь

Dienstag  
ВТОРНИК



255 - 110 Gün / Day

37. Hafta / Week 2006

5)

08:00

09:00

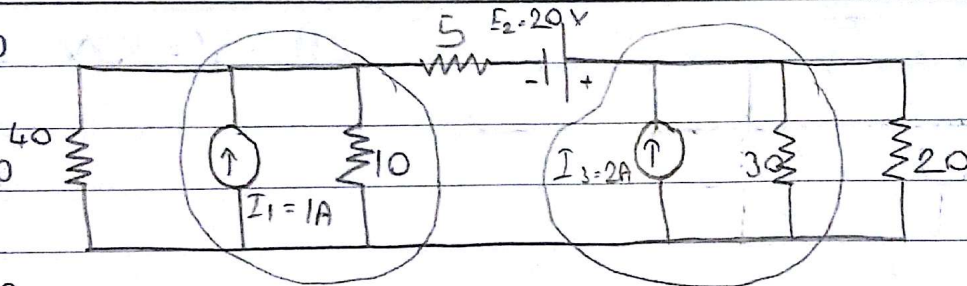
10:00

11:00

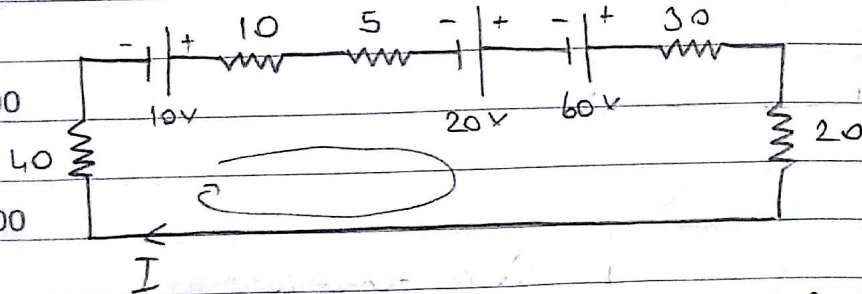
12:00

13:00

14:00



$$V_1 = 10 \cdot 1 = 10V \quad V_2 = 2 \cdot 3 = 60V$$

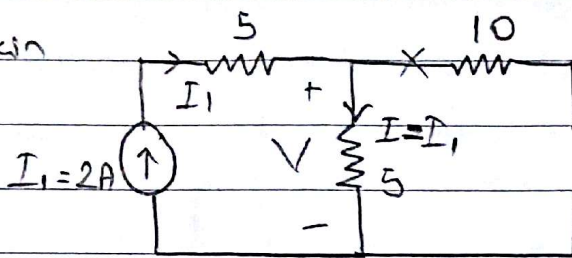


$$105I = 90 \quad I = 0,857A$$

15:00



08:00  $\hat{I}_1$  için



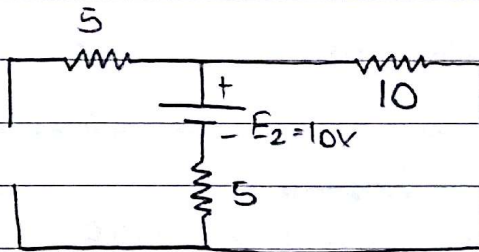
$I = 2A$   $V = 10V$

09:00

$I_1 = 2A$

10:00

$E_2$  için

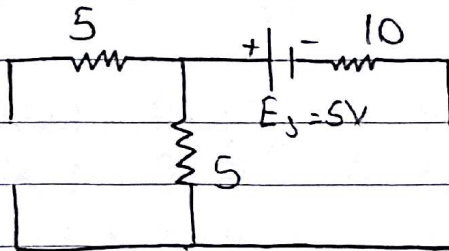


11:00

Devre toplanamaz

12:00

13:00  $E_3$  için

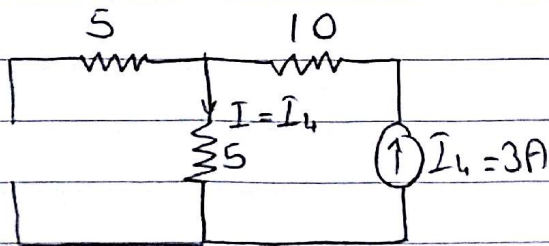


14:00

Devre toplanamaz

15:00

$\hat{I}_4$  için



16:00

$I = 3A$   $V = 15V$

17:00

18:00

Toplam  $I = 5A$   $V = 25V$

19:00