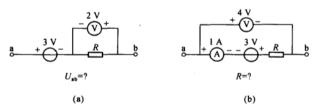
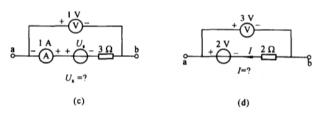
作业月1-2,1-3,1-5,1-9,1-10,1-11,1-17,1-23





颞 1-2图

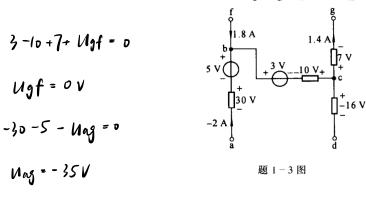
6). 
$$-3 + U_R - 4 = 0$$
  $U_R = 7V$   
 $R = \frac{U_R}{I} = \frac{7}{1} = 7\Omega$ 

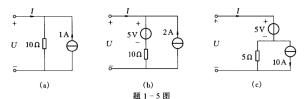
c). 
$$UR = IR = -1 \times 3 = -3V$$
  
 $Us -3 -1 = 0$   $Us = 4V$ 

d). 
$$-2 + 3 + UR = 0$$
  $U_R = -1V$ 

$$I = \frac{UR}{R} = -0.5A$$

1-3 试求题 1-3 图所示部分电路中的电压  $U_{gf}$ 、 $U_{ag}$ 、 $U_{db}$ 和电流  $I_{cd}$ 。





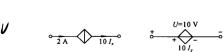
a). 
$$I_R = \frac{U}{R} = \frac{U}{10}$$
  $I_{+1} = \frac{U}{10}$ 

$$=$$
  $J = \frac{u}{10} - 1$   $U = 10 + 10 I$ 

$$M I_R = \frac{U_R}{R} = \frac{U-5}{10} = I+2$$

$$=> 1 = \frac{u}{10} - a.5$$
  $U = 107 + 25$ 

$$I_R = \frac{U_R}{R} = \frac{U-5}{5} = I-10$$

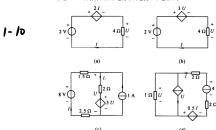


b) 
$$Io U_{x} = -Io V U_{x} = -IV$$

$$\frac{U=10 V}{2A}$$

c)  $Io I_{x} = 2A$ 

$$I_{x} = o.2A$$
(c) (d)



a). 
$$\begin{cases} 2 - U - 2I = 0 \\ U = 4I \end{cases} \Rightarrow \begin{cases} 7 = \frac{1}{2}A \\ U = \frac{1}{2}V \end{cases}$$

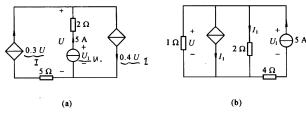
b). 
$$\begin{cases} 2-U-3U=0 \\ I=\frac{U}{\varphi} \end{cases} \Rightarrow \begin{cases} U=0.5V \\ I=\frac{1}{8}A \end{cases}$$

c). 
$$\begin{cases} 2.5I - 8 + 1.5I + 3U = 0 \\ (1+1 \times 2 + U = U. \end{cases}$$
  $\begin{cases} 1 = 11A \\ U = -12V \end{cases}$ 

$$\begin{cases} 0.51 + 2] - 4 + 2] + U = 0 \\ 0.51 + 2] - 4 + 2] + U = 0 \\ 0.51 + 2] - 4 + 2] + U = 0 \\ 0.51 + 2] - 4 + 2] + U = 0 \\ 0.51 + 2] - 4 + 2] + U = 0 \\ 0.51 + 2] - 4 + 2] + U = 0 \\ 0.51 + 2] - 4 + 2] + U = 0$$

$$U = 0.40 \quad J = 0.84$$

1-11 求题 1-11 图所示电路中的电压 U 和  $U_1$  之值。

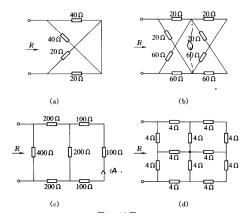


题 1-11图

a) 
$$\cdot kcc : 0.3 u + \overline{5} = 0.4 u \Rightarrow U = 50 v$$
  
 $-2 \times 5 + U_1 = U \Rightarrow U_1 = f_0 v$ 

$$\begin{cases} c(x) = 2I_1 + U \\ c(x) = 2I_1 + U \\ c(x) = 2I_1 = 0 \end{cases} \Rightarrow \begin{cases} I_1 = \frac{\pi}{4}A \\ U_1 = 225V \\ U = 255V \end{cases}$$

1-17 , 1-17 试求题 1-17 图所示各电路的等效电阻 R 。

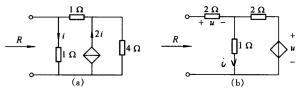


a). 
$$R = 40\Omega \parallel 40\Omega + 20\Omega \parallel 20\Omega$$

$$= 20+10 = 30\Omega$$

bi. 肉中科年度了: 
$$R = (20+60)11(20+60) = 40\Omega$$
  
c).  $R = \frac{(300112000 + 400)11400}{2000} = 206.09\Omega$   
d). e.f.g 学电记, to  $R = I\Omega$ 

1-23 求题 1-23 图所示两电路的端口等效电阻 F



题 1 - 23 图

a) 波端口U,I.

$$\begin{cases} i = U \\ U = (I-i) \times I + (I-i+2i) \times V \end{cases}$$

$$R = \frac{U}{T} = -2.5\Omega$$

$$\begin{cases} u=2I, \\ U_0=U+i \\ i-U-(I_0-i)\times 2=0 \end{cases} \Rightarrow R=\frac{U}{I_0}=\frac{2}{3}\Omega$$

