# 第1次习题课

准备好纸笔 把做题(过程)记录拿出来

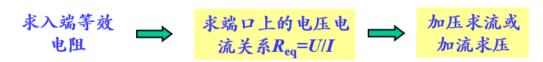
全程开弹幕,大家有问题随时提出来, 习题课要搞明白才行

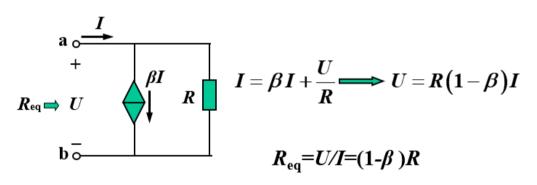
# 前3讲要点回顾

- 参考方向
  - 关联/非关联
  - 求功率
- 元件
  - -R
  - 独立源
  - 受控源
- 拓扑
  - KCL
  - KVL

- 等效
  - 电阻
    - 串并联
    - 桥平衡
    - 星三角
    - 加压求流/加流求压
  - 电源
    - 理想
    - 实际

## 看你是不是把老师的话当话哈





思考:有没有含受控源二端网络加压求流 无法求出Req的情况?

## **单选**题 1分

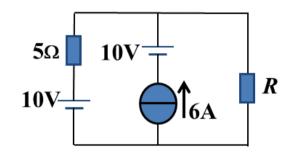
### R可获得的最大功率为\_\_W





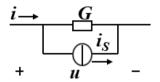


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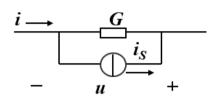


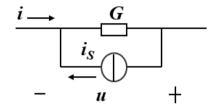
## 电路习题课(一)

1. 求下图各电路的 u-i 关系式及电源发出的功率。

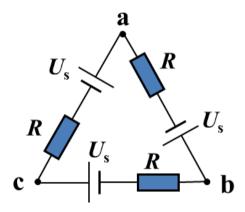


$$i_S$$
 $i_S$ 
 $i_S$ 
 $i_S$ 



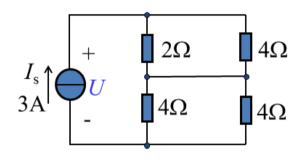


2. 求*U*<sub>ab</sub>=\_\_\_\_



## 单选题 1分

*U*=\_\_\_V (最先答对的3位同学有红包)





- **B** 10
- 18
- 24

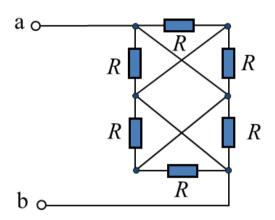
## **单选**题 1分

 $R_{ab} = \underline{\hspace{1cm}}$ 

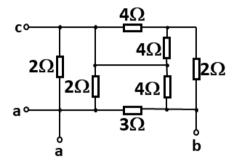


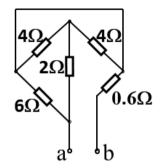


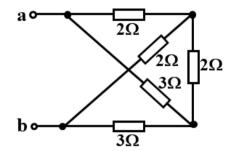


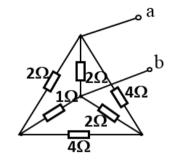


### 3. 求 $R_{ab}$ (和 $R_{ac}$ ).

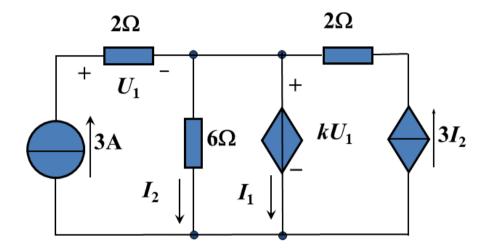




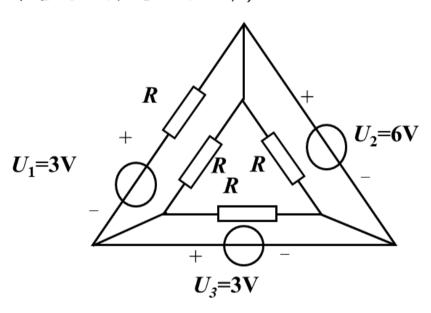




4. 当 k = 2时,求  $I_1$ .

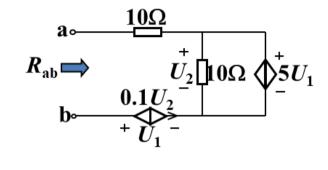


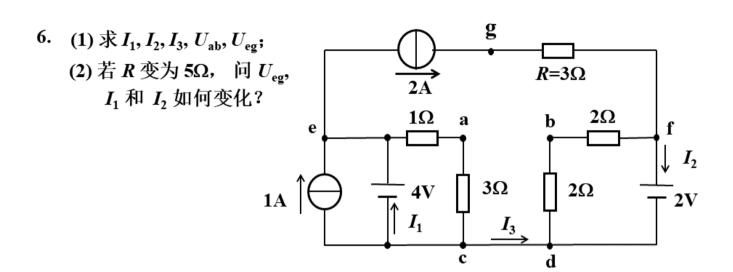
求各电压源发出的功率, $R=1\Omega$ 。



### 欢迎投稿

#### 5. 求入端电阻 $R_{ab}$ .





7. 求每个电源发出的功率.

