



清华大学

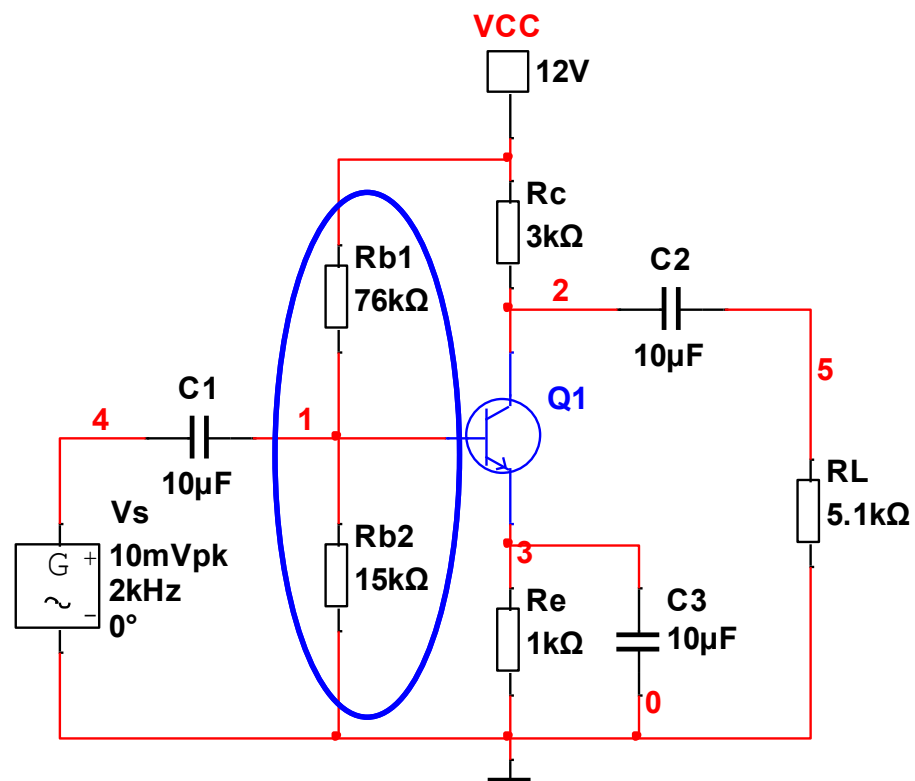
# 偏置电路

清华大学自动化系

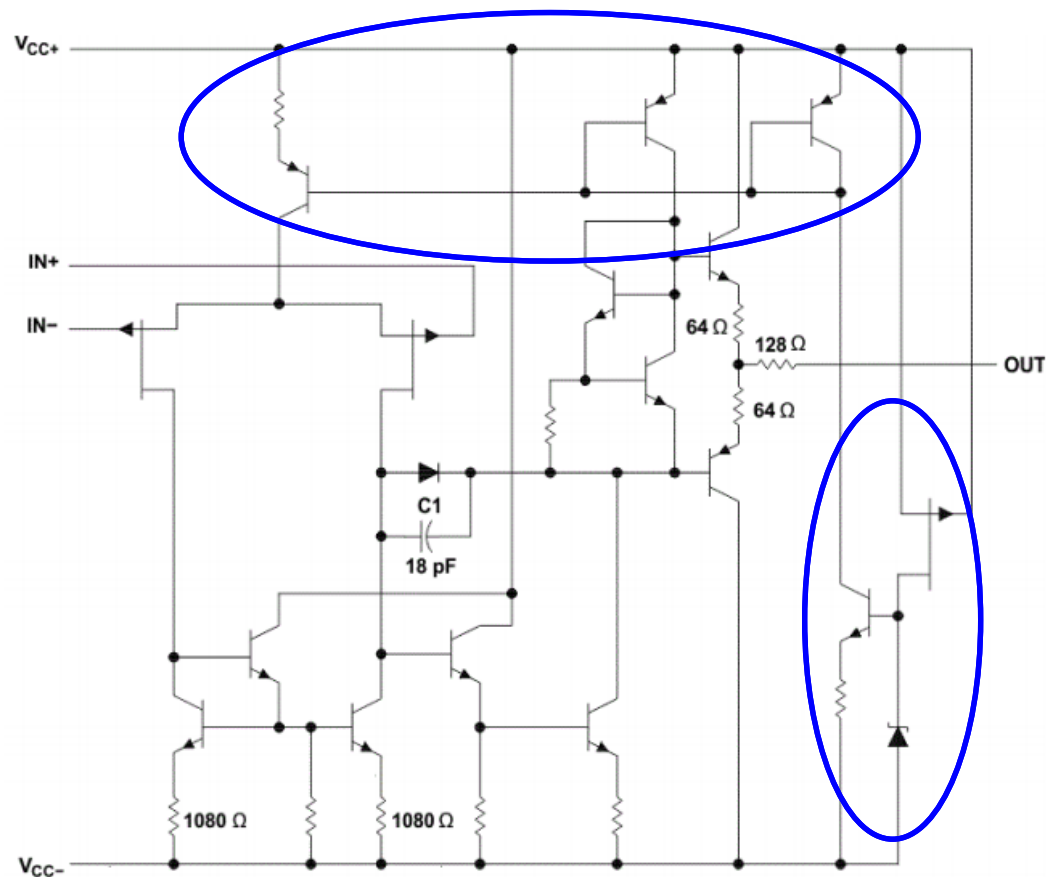
任艳频 [renyp@tsinghua.edu.cn](mailto:renyp@tsinghua.edu.cn)



## 放大电路中的偏置电路



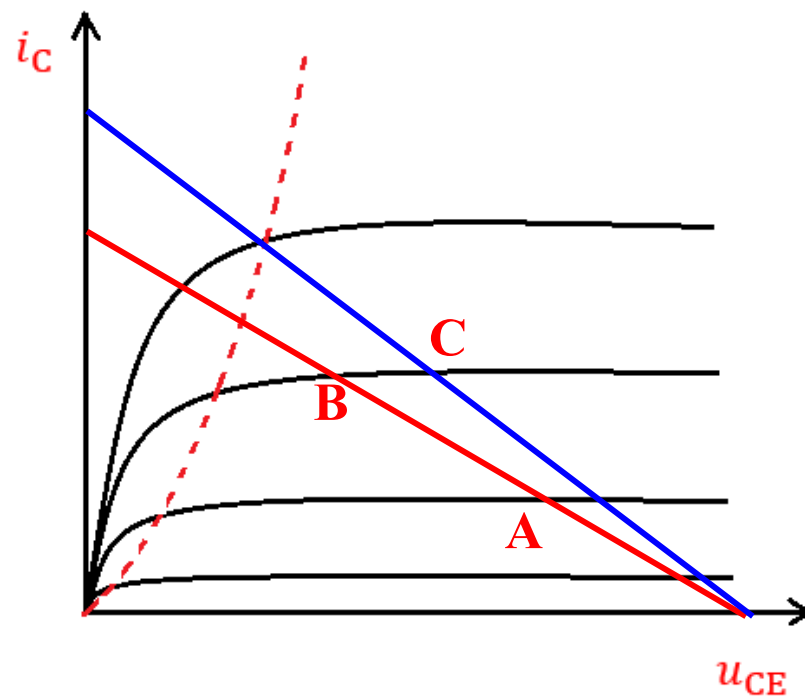
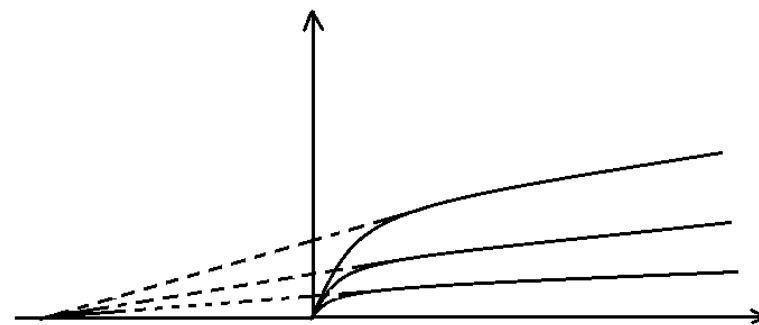
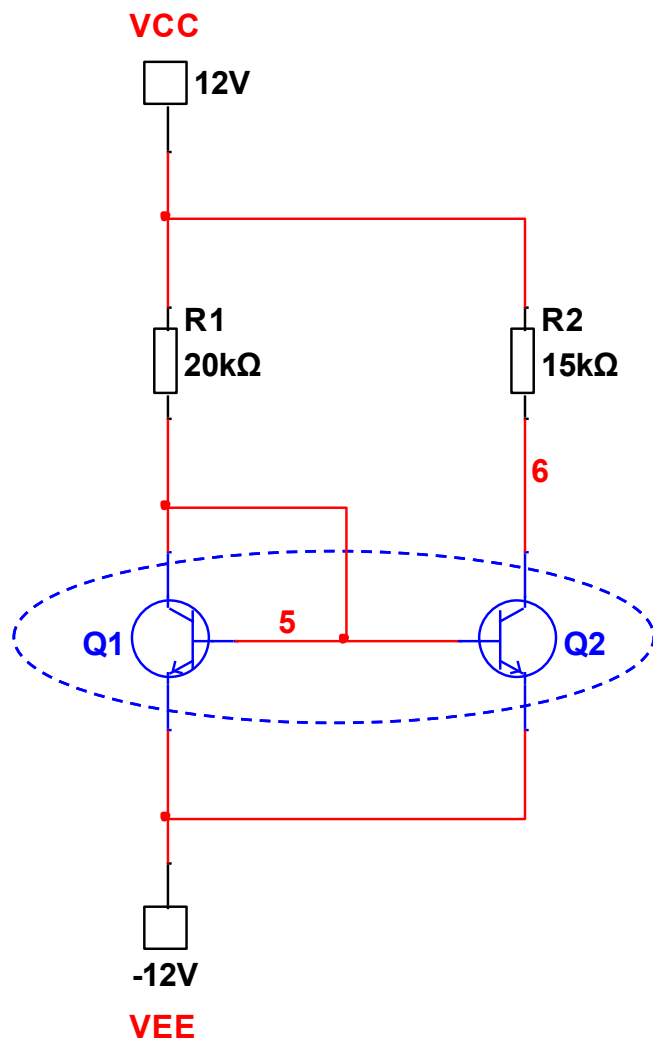
分立元件放大电路中的偏置电路



集成放大电路中的偏置电路  
(摘自TI的LF347集成运放数据手册)

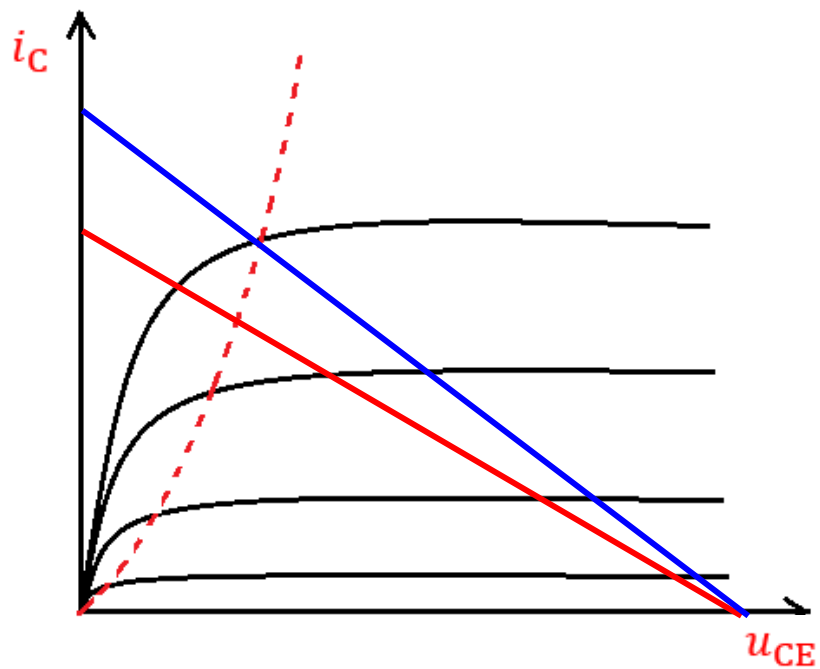
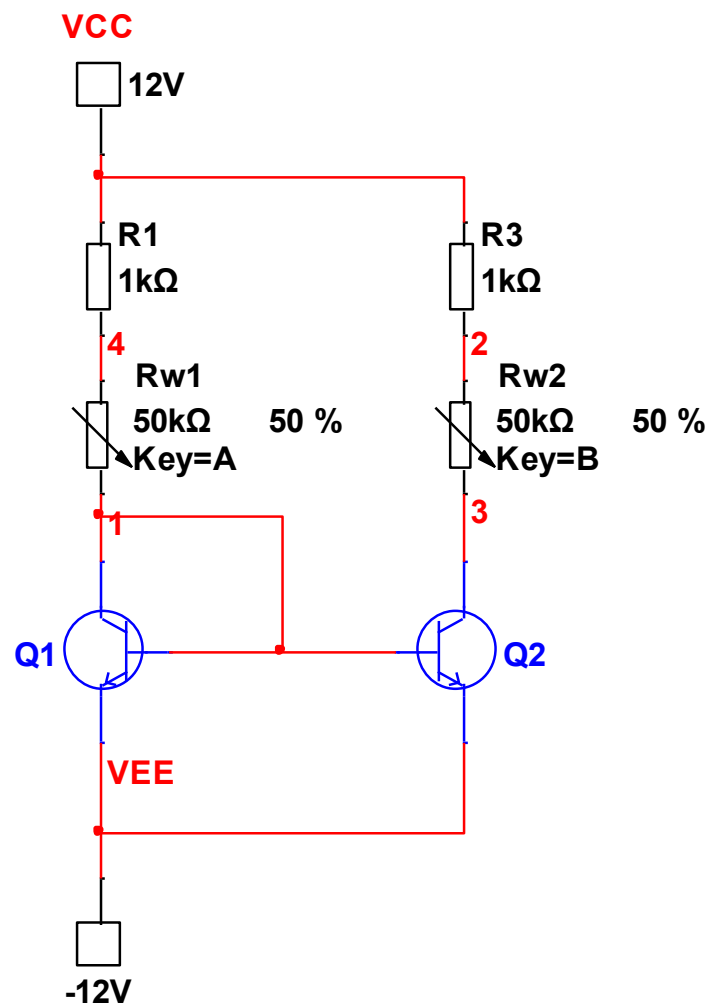


## 实验电路1：镜像电流源偏置电路



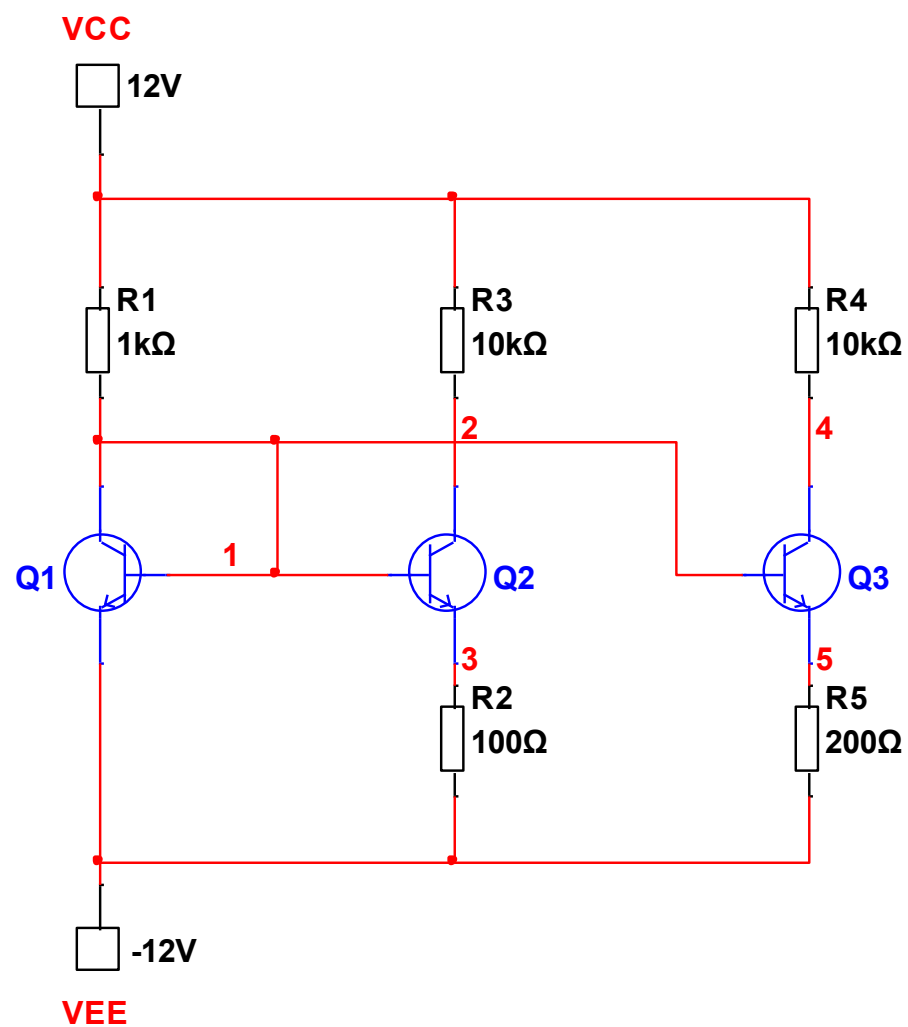


## 实验电路2:



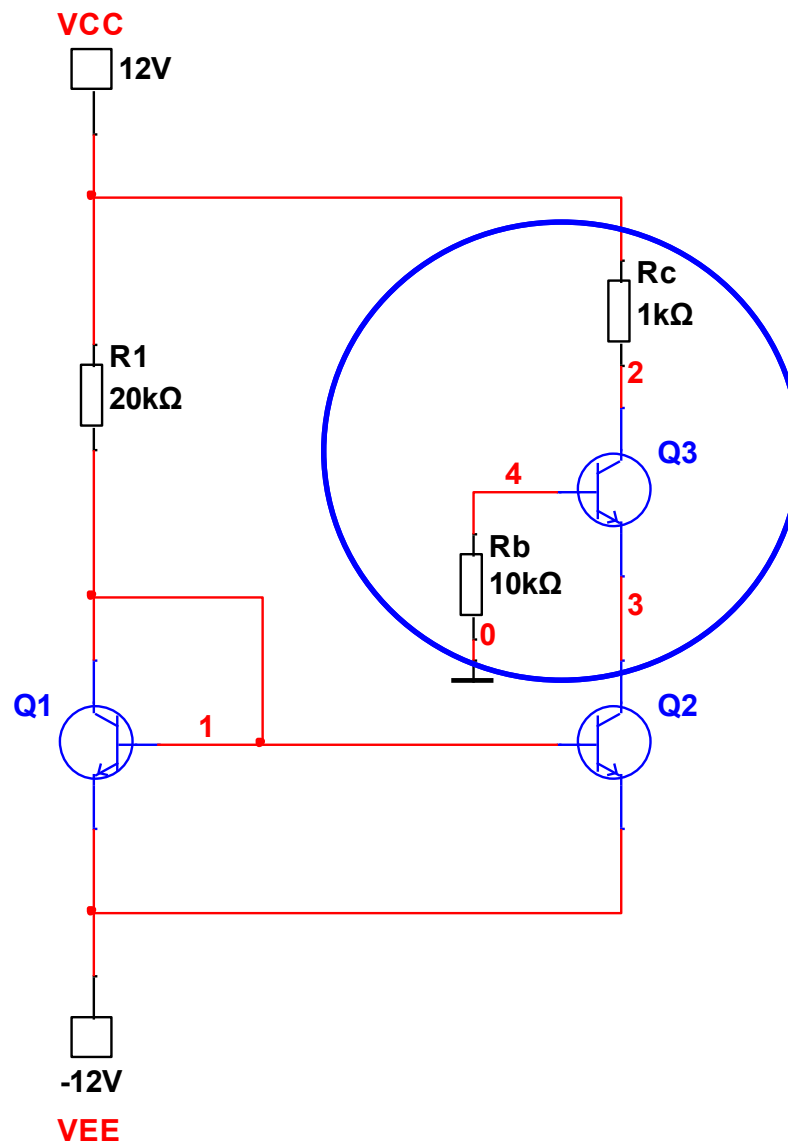


## 实验电路3:



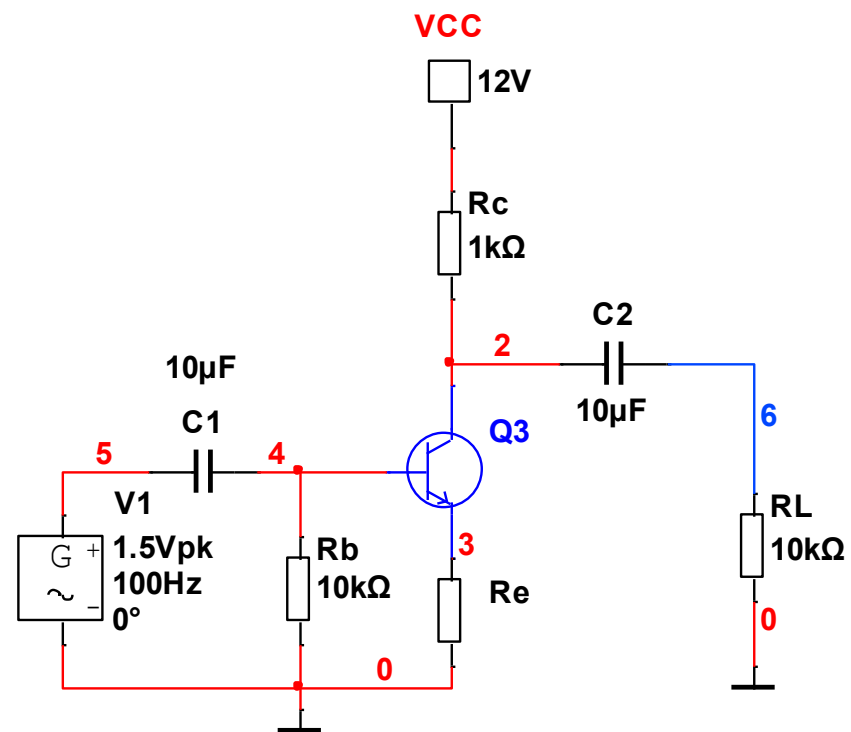
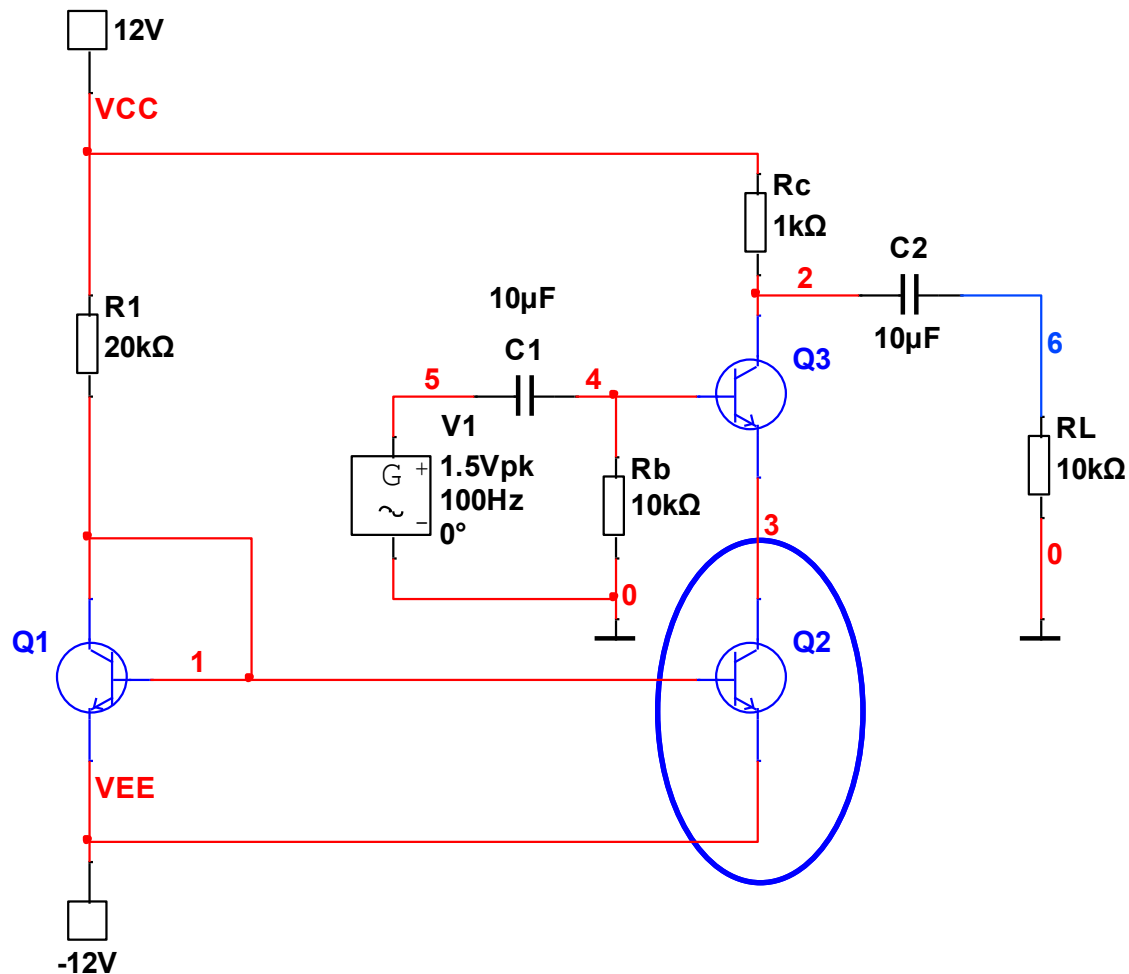


## 实验电路4:



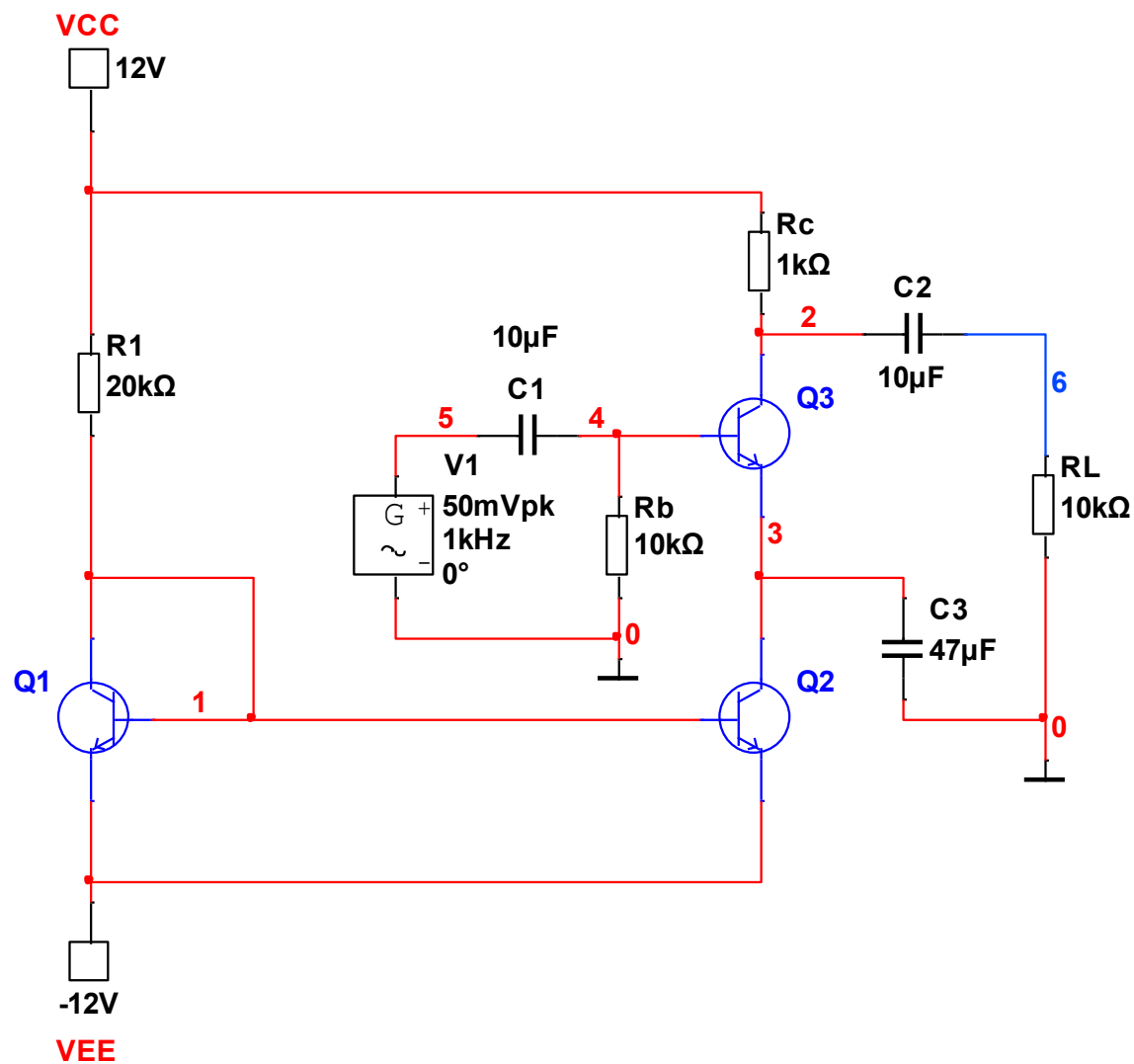


## 实验电路5:





## 实验电路6:





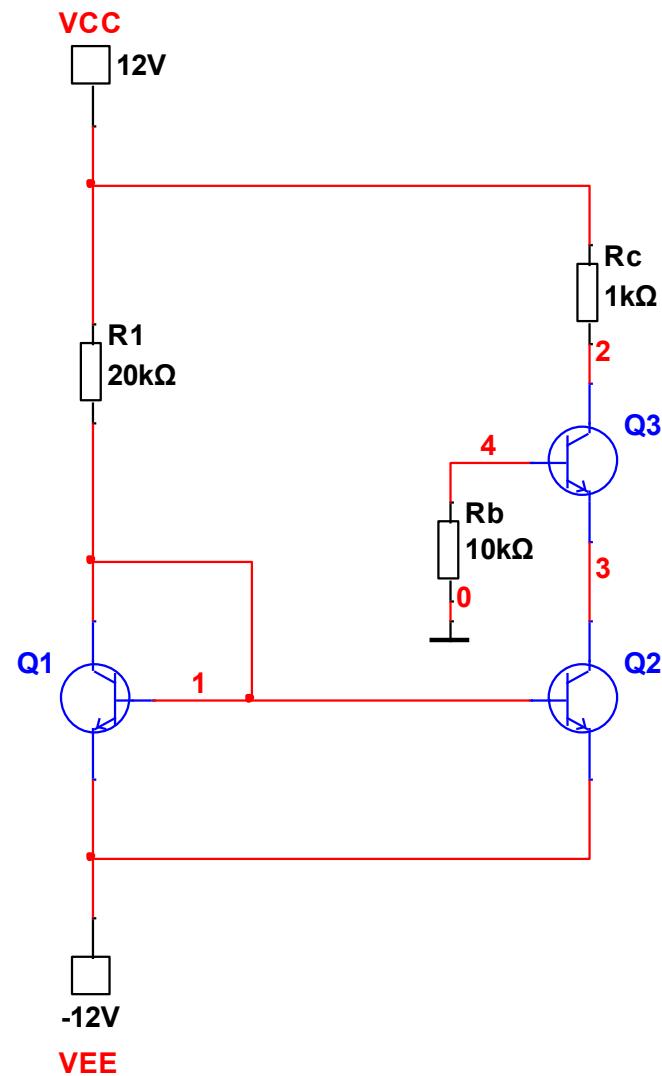


# 开放实验

改用微电流源给共射放大电路设置  
静态工作电流

用PNP型晶体管构成镜像电流源电路

研究威尔逊电流源电路





欢迎投稿及交流~