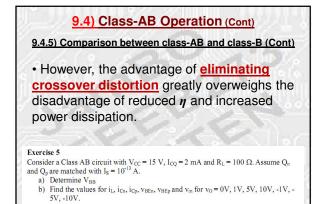
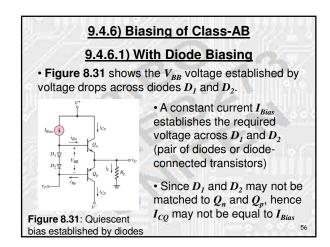


55





9.4.6) Biasing of Class-AB (Cont)	
9.4.6.1) With Diode Biasing (Cont)	
• Problem: V_{BB} is not constant \Box As $v_I \uparrow$, $v_O \uparrow$ so $i_{Cn} \uparrow$, hence $i_{Bn} \uparrow$ \Box $i_{Bn} \uparrow$ is supplied by I_{Bias} , the current through D_I and $D_2 \downarrow$, hence $V_{BB} \downarrow$ slightly	
□ Since V_{BB} does not remain constant in this circuit, previous relationship for collector currents $i_{Cn}i_{Cp} = (I_{CQ})^2$ is not precisely valid for this situation	57

