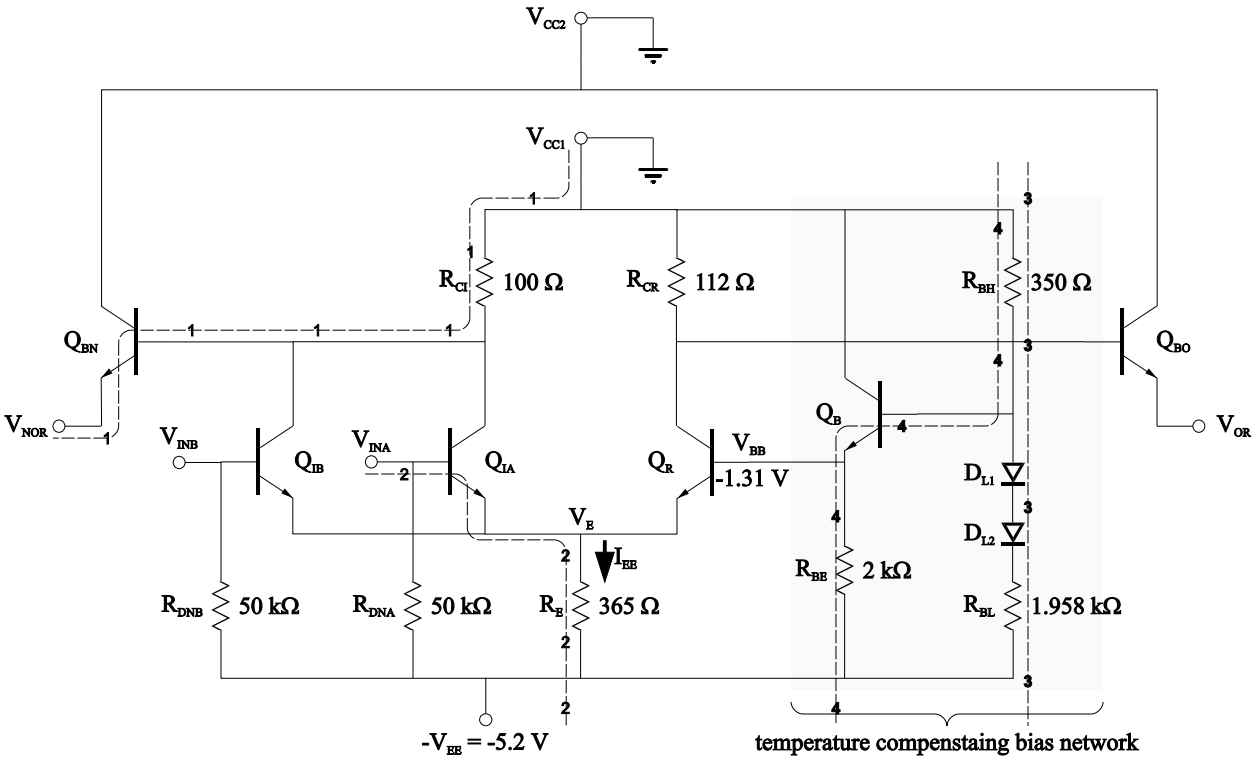
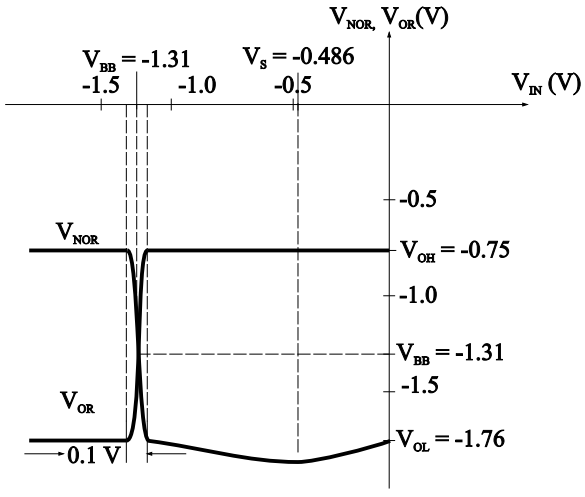
MECL III


V_{CC2}
V_{CC1}
R_{CI} 100 Ω
R_{CR} 112 Ω
R_{BH} 350 Ω
Q_{BN}
Q_{BO}
V_{NOR}
V_{OR}
V_{INB}
V_{INA}
Q_{IB}
Q_{IA}
Q_R
V_{BB} -1.31 V
Q_B
D_{L1}
D_{L2}
V_E
I_{EE}
R_{DNB} 50 kΩ
R_{DNA} 50 kΩ
R_E 365 Ω
R_{BE} 2 kΩ
R_{BL} 1.958 kΩ
$-V_{EE}$ = -5.2 V
temperature compenstaing bias network


V_{NOR}, V_{OR}(V)
V_{BB} = -1.31
V_S = -0.486
-1.5
-1.0
-0.5
V_{IN} (V)
V_{NOR}
V_{OR}
V_{OH} = -0.75
V_{BB} = -1.31
V_{OL} = -1.76
0.1 V