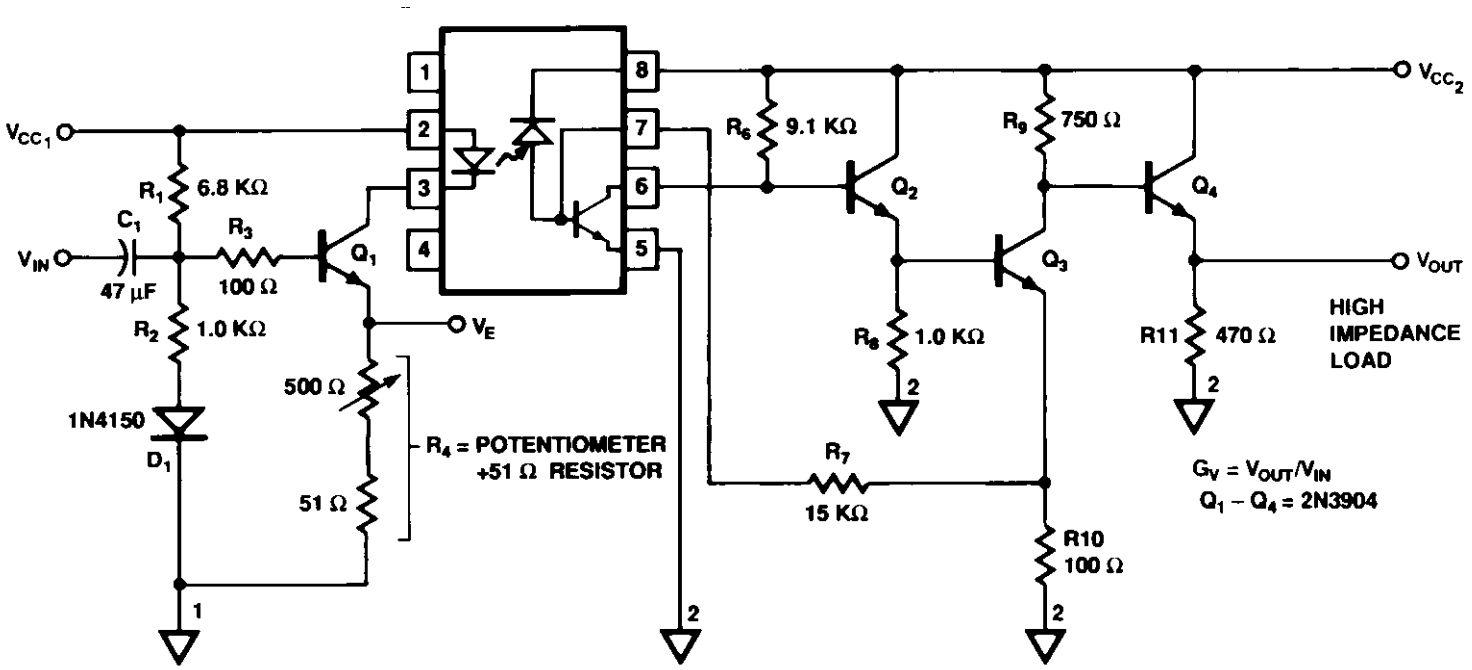
V_{CC_1}
V_{IN}
C_1
47 µF
R_1 6.8 KΩ
R_2 1.0 KΩ
R_3 100 Ω
Q_1
V_E
1N4150
D_1
500 Ω
51 Ω
R_4 = POTENTIOMETER +51 Ω RESISTOR
1
2
R_5 9.1 KΩ
R_6 1.0 KΩ
R_7 15 KΩ
Q_2
Q_3
R_9 750 Ω
R10 100 Ω
Q_4
R11 470 Ω
V_{CC_2}
V_{OUT}
HIGH IMPEDANCE LOAD
$G_V = V_{OUT}/V_{IN}$
$Q_1 - Q_4$ = 2N3904