Pesistance A-B =
$$\frac{1}{2R}$$
 $\frac{1}{2R}$ $\frac{1}{2R}$ $\frac{1}{2R}$

Resistance A-C =
$$\frac{1}{R_3} + \frac{1}{R_1 + R_2 + R_4}$$
 $\frac{1}{R} + \frac{1}{3R}$ $\frac{3}{3R}$

DV

$$V_{AD} = (1 + \xi \cdot GF) \cdot R \cdot \frac{1}{2} \cdot \frac{V_s}{R} = \frac{1}{2} (1 + \xi \cdot GF) \cdot V_s$$

$$V_{AC} = (1 - \xi \cdot GF) \cdot R \cdot \frac{1}{2} \cdot V_s/R = \frac{1}{2} (1 - \xi \cdot GF) \cdot V_s$$

$$\Delta V = V_{AO} - V_{Ac} = \frac{1}{2} (1 + 2 \cdot GF) U_S - \frac{1}{2} (1 - 2 \cdot GF) \cdot V_S$$
$$= \frac{1}{2} (2 \cdot 2 \cdot GF) V_S = \left[2 \cdot GF \cdot V_S \right] = \Delta V$$

2.3

$$\frac{2^{n-1}}{3.3V} = \frac{x}{3mV}$$

Transfer to the first

min = max (0.95V, (vomv) =
$$0.95V$$

max = min (2.4V, 1.8V) = $1.8V$

Weight	Amplifier Vout
Okg	Voky = (1.15V)
Itg	Vary = 1.6V

$$16 = 5 + \frac{80 k \Omega}{Rc}$$

Diagram

