

47 Sh difference amplifier: St. (14 P3/R2) Vo= R2 (14 P3/R2) Vo = R2 V1
R1 (14 P3/R4)

-AN

 $V_0 = \frac{30k(1+\frac{2k}{30k}).2.30k}{2k(1+\frac{2k}{20k})}$ $\frac{30k}{2k} = \frac{14.09V}{2k}$

66. inner amp: Vo= -RJ Vi= 40 (41)= -8V

Ri 20

= - (100/25-6 + 100/20(-8) + 100/10.2) = - (4V)