











Hen parale Provide can als So wed to Measure and frequencies, though no fas accurate as the norm of frequency makes. bent on non-inductive overisto of 100-2, a non-reactive resister of 300 - 2 in paralle with a pure capacity of 8.5 mt and a standard capacity Consider of Balance

Ras Ri - j = R3 11 Wars of 109 MF. The Supply frequency To 50/12. Calledate the Serves Capacifonic and the equivalent resoluce Ry Ri - JegitiNC2 R2 = R2 R3

Seperate the real and smagna p tomic

Rika + R2 C2 = R3 R3 C1 = 609 PF R3 = 100-2 CA = 0.5 MP Pg = 309 a  $C_2 \approx c_1 \left\{ \frac{c_4}{n_2} \right\} \approx 109 \times \frac{309}{100} = 336.8 \text{ pt}$   $r \approx r_3 \left\{ \frac{c_4}{c_1} \right\} \approx 100 \left\{ \frac{0.5 \times 10^{16}}{100 \times 10^{16}} \right\} \approx$ as NGR2R4 -R4 =0 Wien Series Brigo When Parallel Bringo They are Simple rath tomoges weed for over a who range. (6) When Series Brigge. Def. By and the Supply frequency when the Gorga To Lalances.  $\frac{C_2}{C_1} = \frac{R_3}{R_0} - \frac{R_1}{R_2}$ 2 = 1000 - P4 1 4000 200 P1 = 200 x05 = 100 -2 f = 1 / RIROG (2 = 10° = 796 Hz