(hotjiw) (2-j) = 100-50j +200j +100 = 200 +150 4.6 ラニーの = 40+j30 Y = 01 40-j70 46-j70 4-j3 = 0.016-j0.012 P = (100+j200)(4-j2) = 400 - j200+j800-j400Pa = VI = (100 + 1200) (4+ 12) = P I to P=400 +j600+400=800+j600. P = 800 3 == juc+ suc Paz 1640000+360000 Py - 600 CUSO = 800 = 0.8 Invo= 8= 4 R= 2 mc 201 2WL - 2WC - 20 b. Tec. b, c,d, 9.

$$4|T_{p}| = I_{L} = I_{0} = 10$$

$$C = 8 \times 10^{4}$$

$$W = \frac{1}{16 \times 10^{6}} = \frac{10^{3}}{4} = .260$$

$$R = \Gamma$$

$$4|T_{p}| = I_{L}$$

$$4|T$$

 $\frac{R^2 + 4(\omega L)^2}{R^2 - 4(\omega L)^2} = \frac{R^2 + 16x10^4}{R^2 - 16x10^4}$ R3- 16 X10 4 P= R2+ 16 X 104 W L = tic W = 1 LGW=-AB 200 (P2 (200)2) = -R P2 W2 = 5 250 pt=- R, p2 B R=200. WL R-- QWLG f: 1500# = 500 ho 1.60 Z= P, 2= 2A 1= j2RWC+) 22 - R+JW2 23 = R3

j R3 W e3+1 \$ 2 = R+j W L + J2RWC+1

28 - j4R2W Z=R+jw2+ 2R-j4R2wc Z=HR 4R2w22+1 = R+ Z4 = R4 | RAWCATI R, (jR3W(31) R4 = R2(jR4W(41)R3 10 x R3 W C3 7 40 + 400 = j 20 x R3 X W X 40 X 4x10 3 + 20 R3 16+36 x (2x46=24+26 x 46x4x10-3 (3 = 2 x 4 x 10 = 8 x 10 - 5

4 = 1 = 10+10+ 4 W: P= 29x. 902 1= 10+10+ 4 W: R= 25 0= 00 CR = 60 25 px 20 8x10 4x R Q - 20 200 4 0.2xR