is larger than the complex power value obtained in 6.1c by 1.10.2 var as the transmission the also consumes real and reactive power. d The ratings of some electrical apparatus are represented in VA be instead at watte because they may not be purely resistive and will consume reactive power, Such apparatus are computers and other electronics. It is also possible to calculate the real and reactive power consumed by the parting given in VA of the electrical apparatus. From 6.1c, # P = 15.1 W Q = 10.7 Var Qold = Qnew = 10.7 = Q = 0 Qc= 10.7 var Qc= [V 10.7 = Ic(19.22) Ic = jo.5567/A

Z= jo.5567/A 211(50)c = 34.524 C = 92.2 µF Ze= - wc 27 (50) (30×10-6) 5-1106.10 $(16 + (89.1 \times 10^{-3})(2\pi (50))$ (26×10^{-3}) $(2\pi (50))(30 \times 10^{-6})$ = (32.242 - 60.25° + 34.00 < - 13.90° + 0.009425690°) = (+10.02457+0.04394)-1 19.86 < 29.213°