

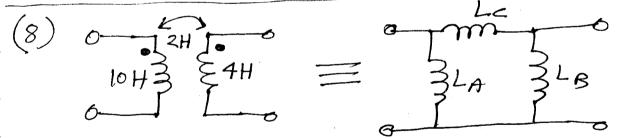
U(t) = 20 cos(2t) V.

Determine the coupling coefficient and the energy stored in the coupled inductors at t=1.55.

 $R_1=3S_2$ ,  $R_2=6S$ ,  $L_1=2mH$ ,  $L_2=10mH$  M=4mH. If w=5000 rad/s, Find Zin (input impedance.

as seen from the primary side) for ZL equal to (a) 102 (b) J2052 (c) 10+52052

(d) - J20.52



For the transformer shown on the loft find the parameters of its IT equivalent eircuit (shown on the right), i.e. find LA, LB & Le.

(9) Solve the problem in question I, using the T equivalent ext of the coupled inductors,

