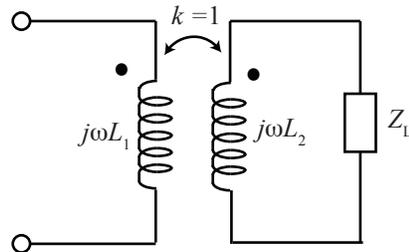


Flyback Transformer Proof

A flyback transformer is one that has maximum coupling between the primary and secondary windings, but the inductances of the windings are not large enough to be considered infinite.

Consider the flyback transformer below that is connected to an impedance Z_L , where Z_L is arbitrary.



Show that the equivalent circuit shown below has exactly the same input admittance as seen from the left, where N_1 and N_2 are the # of windings in inductors 1 and 2, respectively.

