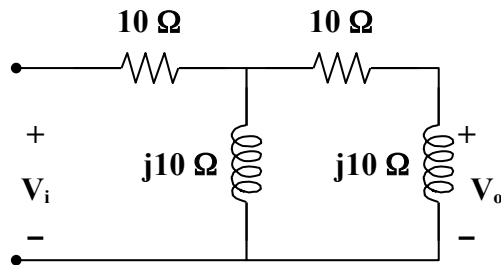


Chapter 9, Solution 75.

Since $\cos(\omega t) = \sin(\omega t + 90^\circ)$, we need a phase shift circuit that will cause the output to lead the input by 90° . **This is achieved by the RL circuit shown below, as explained in the previous problem.**



This can also be obtained by an RC circuit.