An inductor is in series with two voltage sources. Source V_{SC} is constant with a value of 10 V. Source V_{SQ} switches back and forth between 20 V and 0 V, with a period of 20 μ s, as shown below Make a quantitative sketch the corresponding inductor current. Assume that the inductor current $i_L = 2$ A at t = 0. (You may want to start by making a sketch of the inductor voltage as a function of time.) Be sure to show any calculations used in making the current plot.



