Find the equivalent inductance for the circuit shown below.

		L_2 12 mH	
$L_{eq} \longrightarrow$	L_1 45 mH	L_3 50 mH L_5 75 mH	L_6 $\begin{cases} 200 \text{ mH} \end{cases}$
<i>0</i> -1	45 11117	L_4 50 mH	

 $L_{eq} =$

If L_4 is changed to a 0.5-H inductor, what is $L_{eq?}$

 $L_{eq} = \underline{\hspace{1cm}}$