The setup:

Before the switch changes its position, the total energy stored in the inductor is $W_i = \frac{1}{2} \mu J$. When the switch changes position, the current instantaneously flows from L1 into L2. At steady state, the current through the two inductors must be equal since they are connected together. The final energy stored in both inductors is then $W_f = 1 \mu J$.

The challenge:

Explain how to reconcile the addition of energy with the laws of physics.