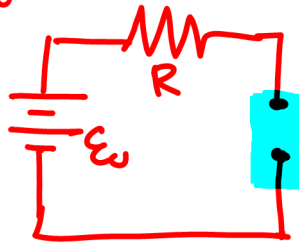


At the beginning there is no current because the back emf generated by the inductor coil equals the battery emf. The inductor acts like an **open circuit**



After a long time, there is no change in the magnetic flux, therefore no change back emf created in the inductor coil, therefore it acts like a **short circuit**

