

**Give more explanation of the bitcoin attack, I did not explain well today.**

If Bitcoin be attacked by 51% attackers, it is fine, because still have 49% correct messages,

For example, 100 nodes, majority nodes be attacked, 51 of blockchains are broken. It is ok, because we still have 49 same copies of datasets in the blockchains all over the world. If a blockchain is broken, a correct node will never trust him, it will be kicked off from the system.

**However, the majority of nodes (51% nodes) can not be controlled by an attacker because he will revise the data, so then the majority of the data will be malicious data! But it is hard to be controlled, so blockchain is secure:**

For example, each hospital keeps a copy of every patient's history. If a doctor wants to update a record (make a transaction), all hospitals must agree that it's correct. This agreement process keeps the records safe from fraud.

**Now, let's say a hacker wants to change the records to benefit themselves. To do this, they would need to take control of more than half of all hospitals (51% of the system). If they succeed, they could rewrite patient histories and make fake updates appear real.**

**However, in reality, taking over 51% of the hospitals in the world is nearly impossible—it would require enormous money, time, and resources.**

**That's why Bitcoin remains secure from such attacks.**