



Blockchain and Cryptocurrency

By: Syeda Tayyaba Bukhari

Soft & Hard Forks



Soft & Hard Forks

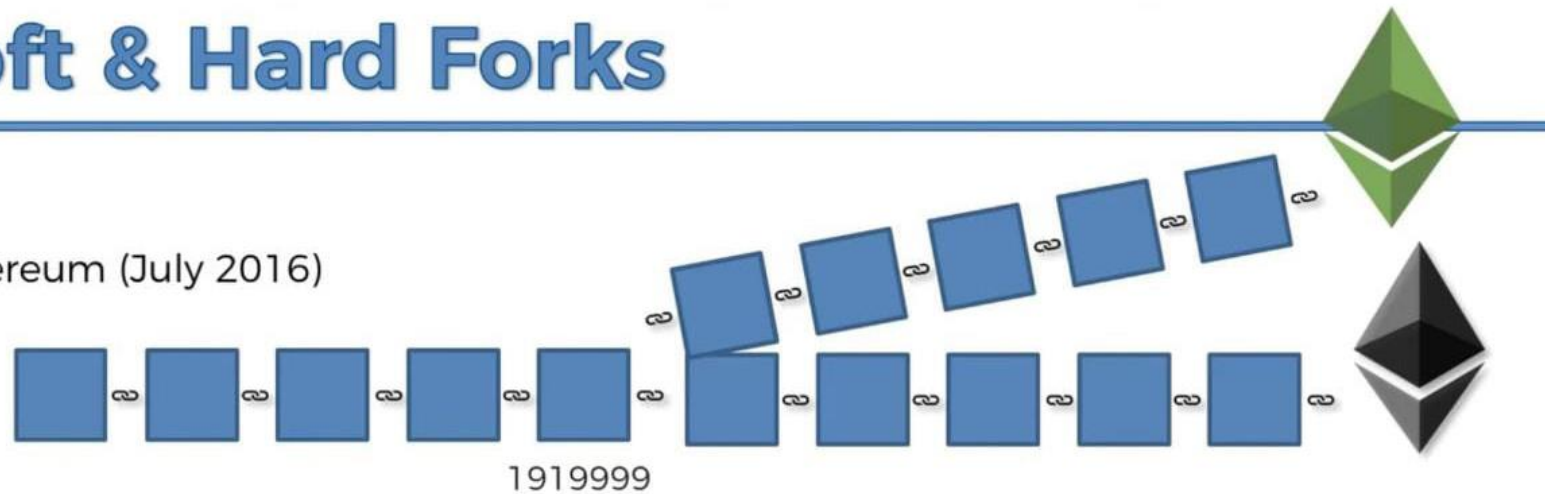
Hard Forks = Loosen Rules

Soft Forks = Tighten Rules

Hard Fork produced ETH and ETC

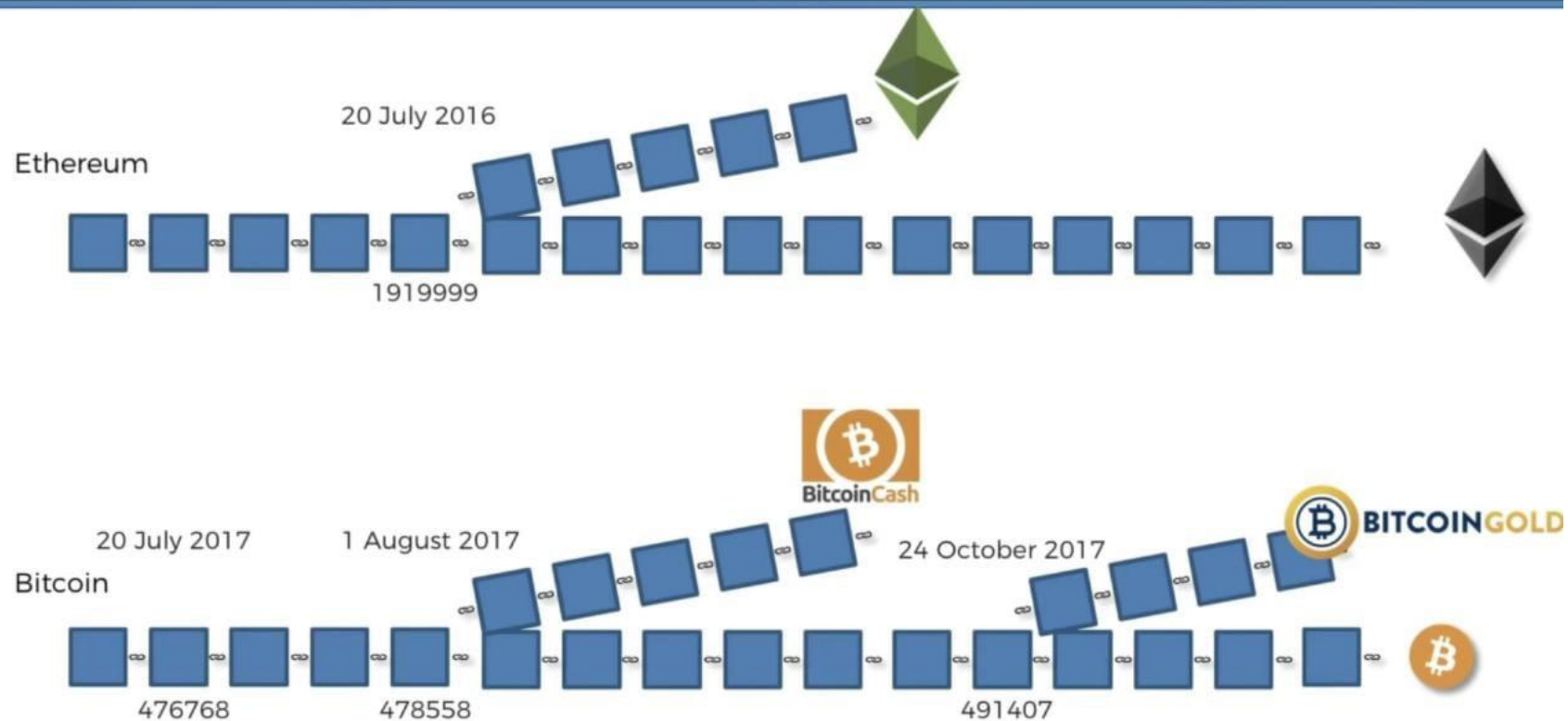
Soft & Hard Forks

Ethereum (July 2016)



20 July 2016 --- Hard Fork on Ethereum to change rules of smart contract due to DAO attack
20 July 2017 --- Soft Fork on Bitcoin to upgrade Bitcoin with Segwit Witness feature
1 August 2017 --- Hard Fork on Bitcoin to increase the Block size up-to 8MB from 1 MB
24 October 2017 --- Hard Fork on Bitcoin to make ASIC resistant network.

Soft & Hard Forks





Hard Fork

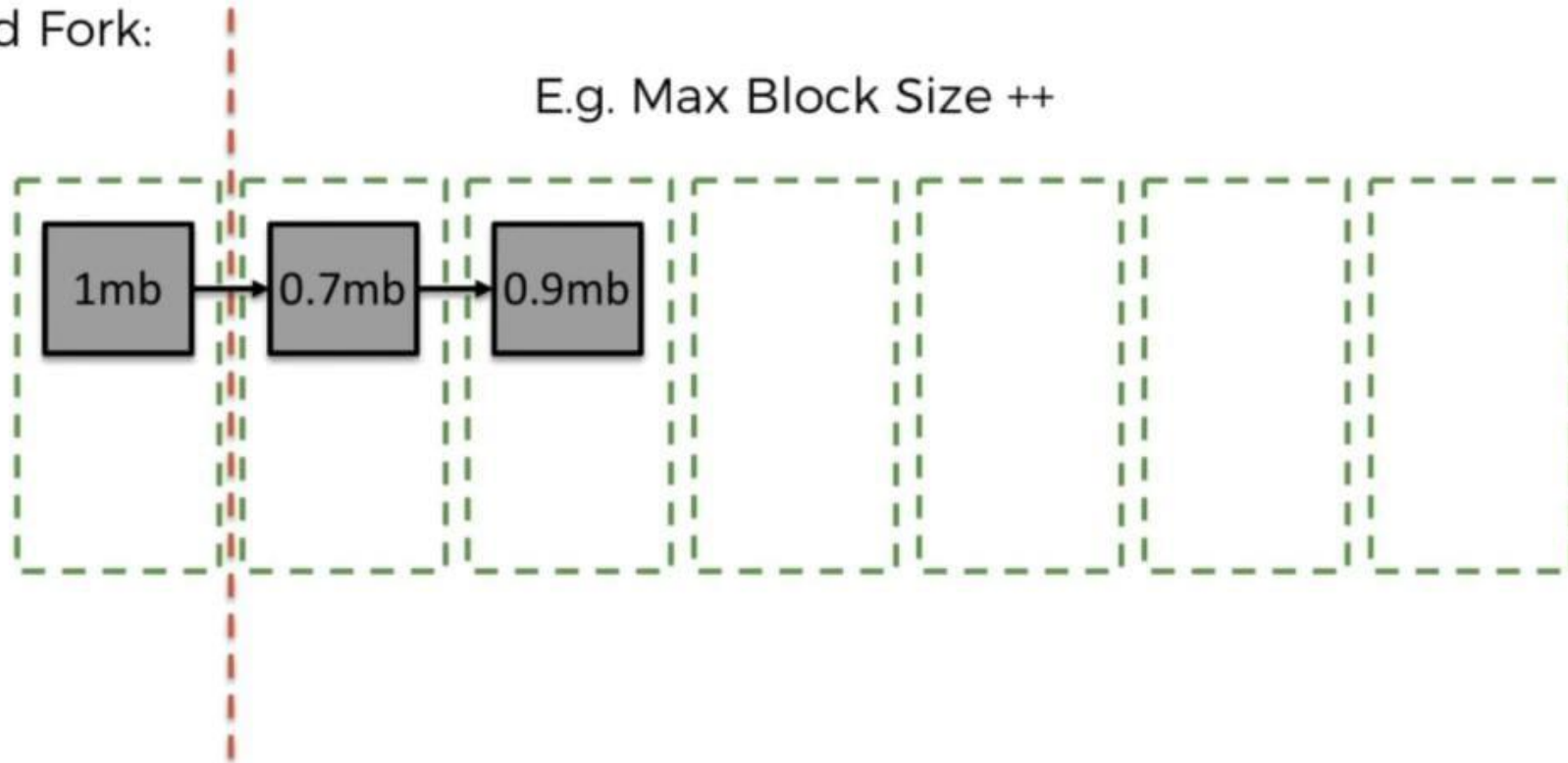
Soft & Hard Forks

Hard Fork:

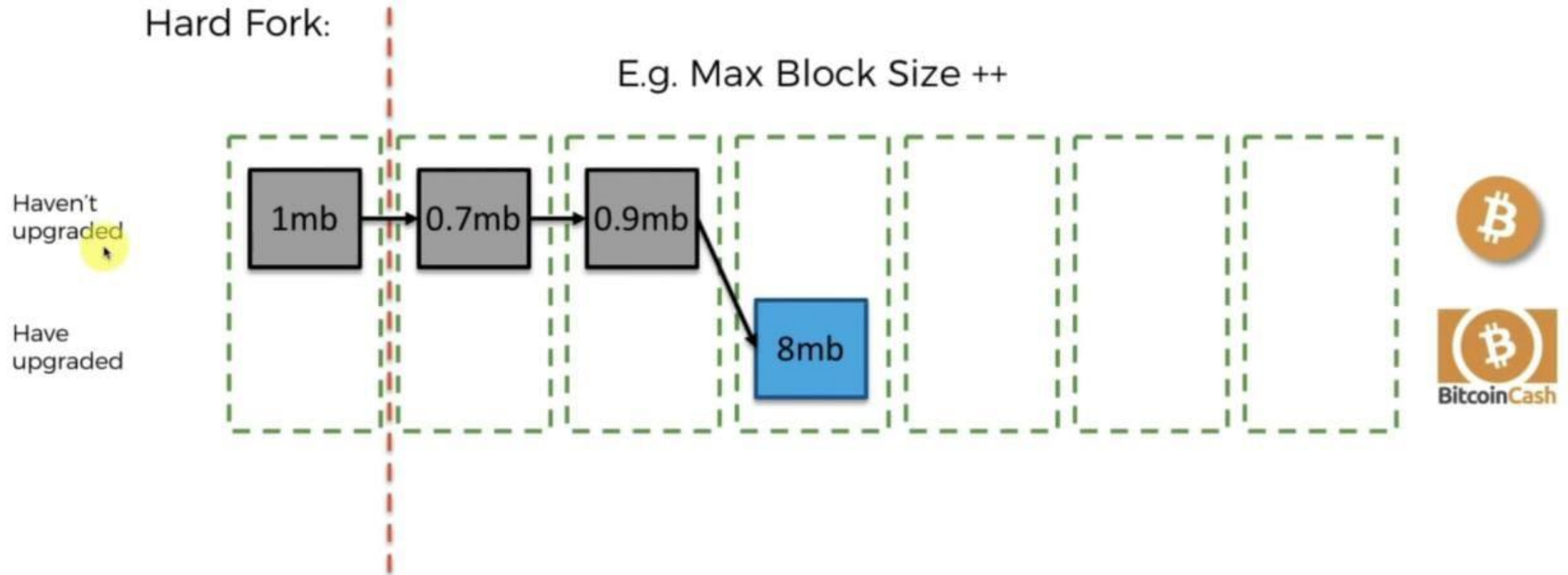
E.g. Max Block Size ++

Haven't upgraded

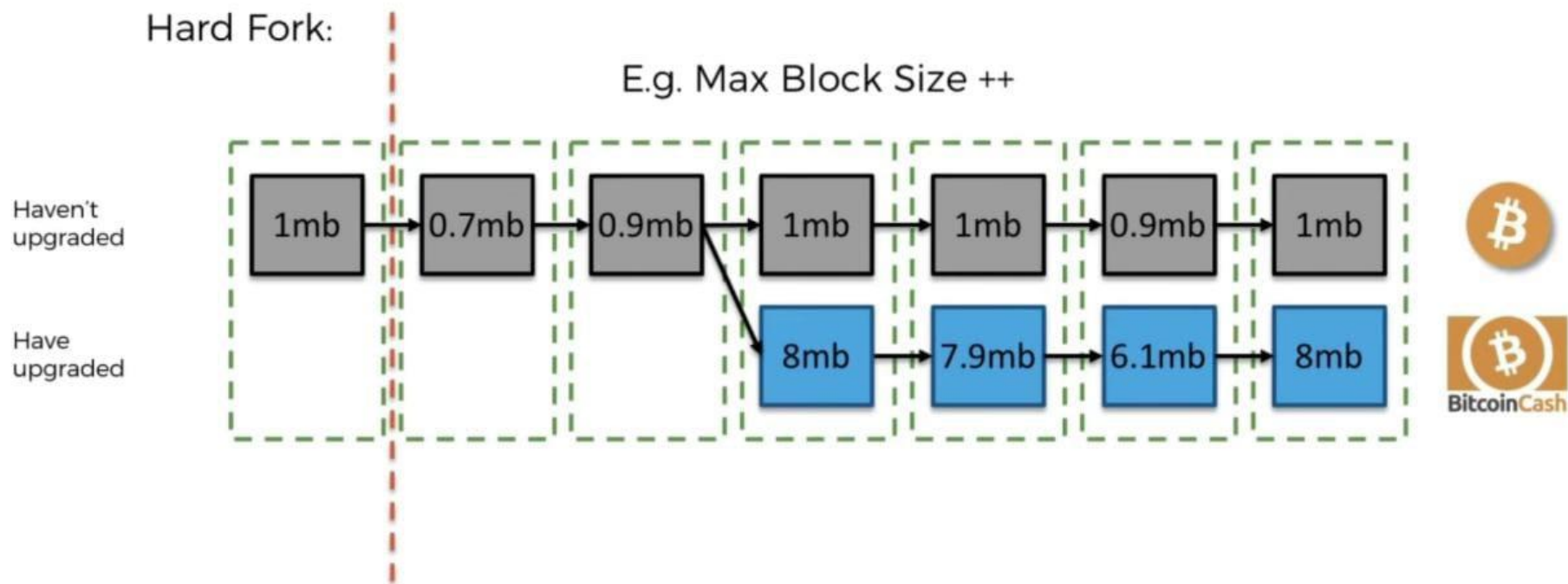
Have upgraded



Soft & Hard Forks



Not Backward Compatible





Soft Fork

Soft Fork:

E.g. Max Block Size --

Haven't
upgraded yet

Have already
upgraded
(majority)



1.0 MB

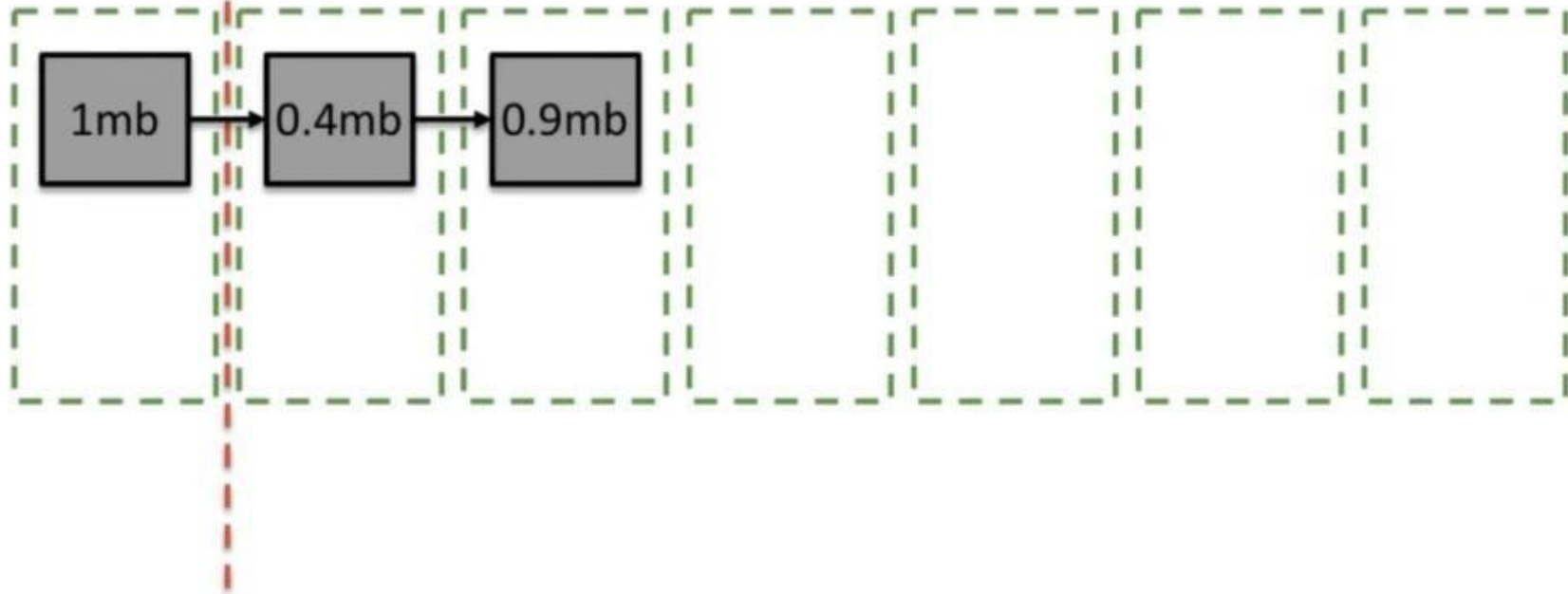
0.5 MB

Soft Fork:

E.g. Max Block Size --

Haven't
upgraded yet

Have already
upgraded
(majority)



1.0 MB

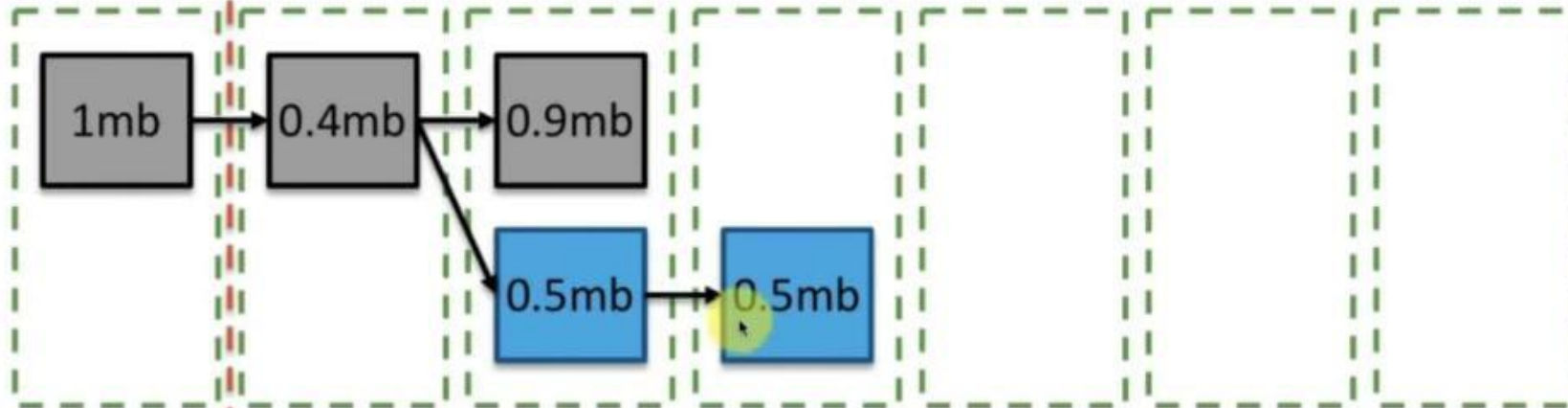
0.5 MB

Soft Fork:

E.g. Max Block Size --

Haven't
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Have already
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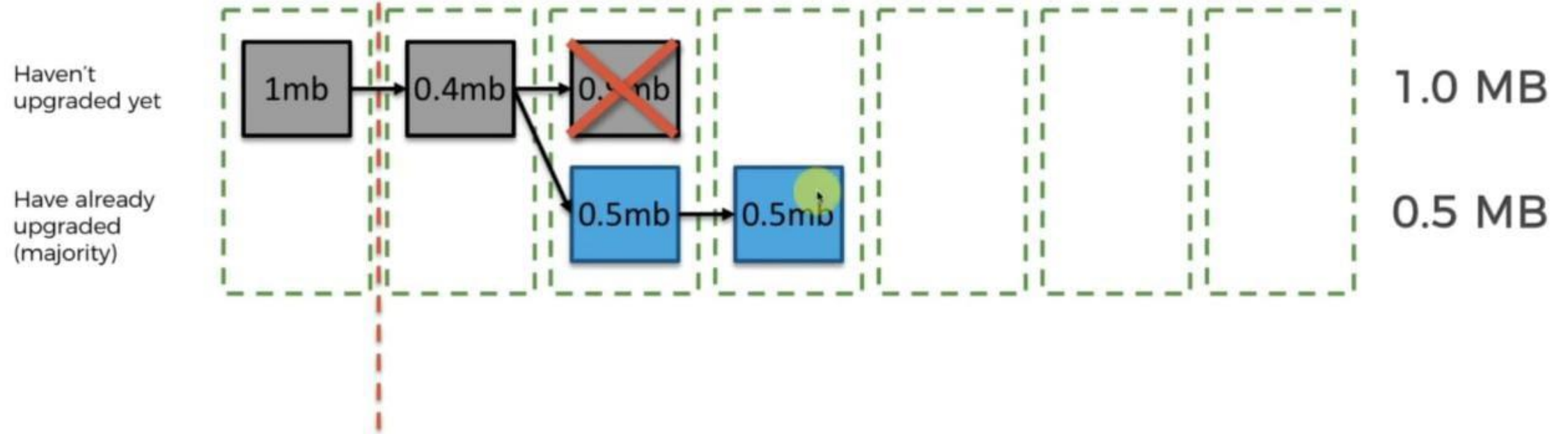


1.0 MB

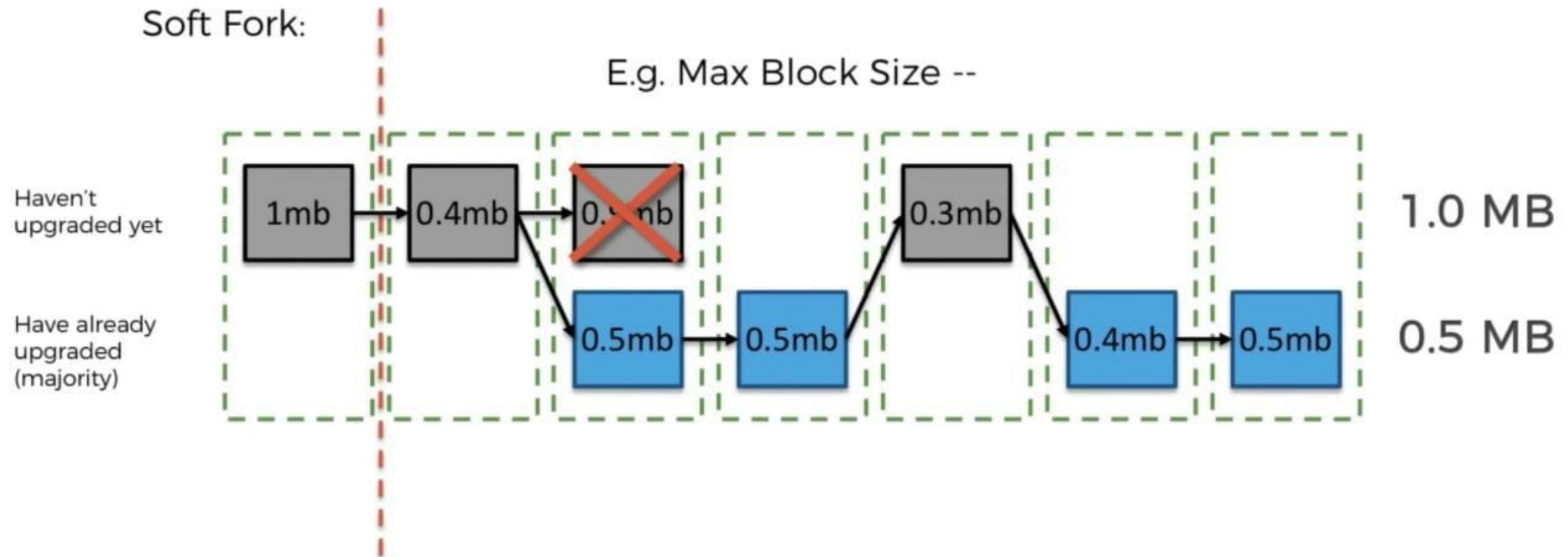
0.5 MB

Soft Fork:

E.g. Max Block Size --



Backward Compatible



Acknowledgement and Source:

- <https://www.udemy.com/course/build-your-blockchain-az/>