



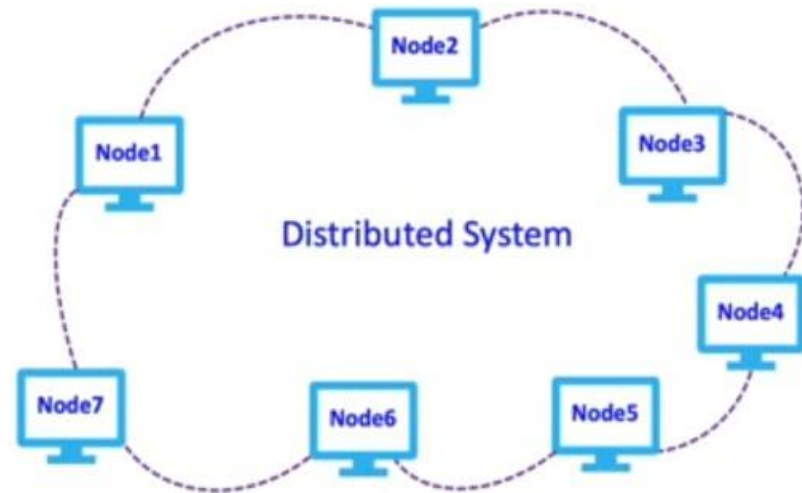
# *DISTRIBUTED CONSENSUS*

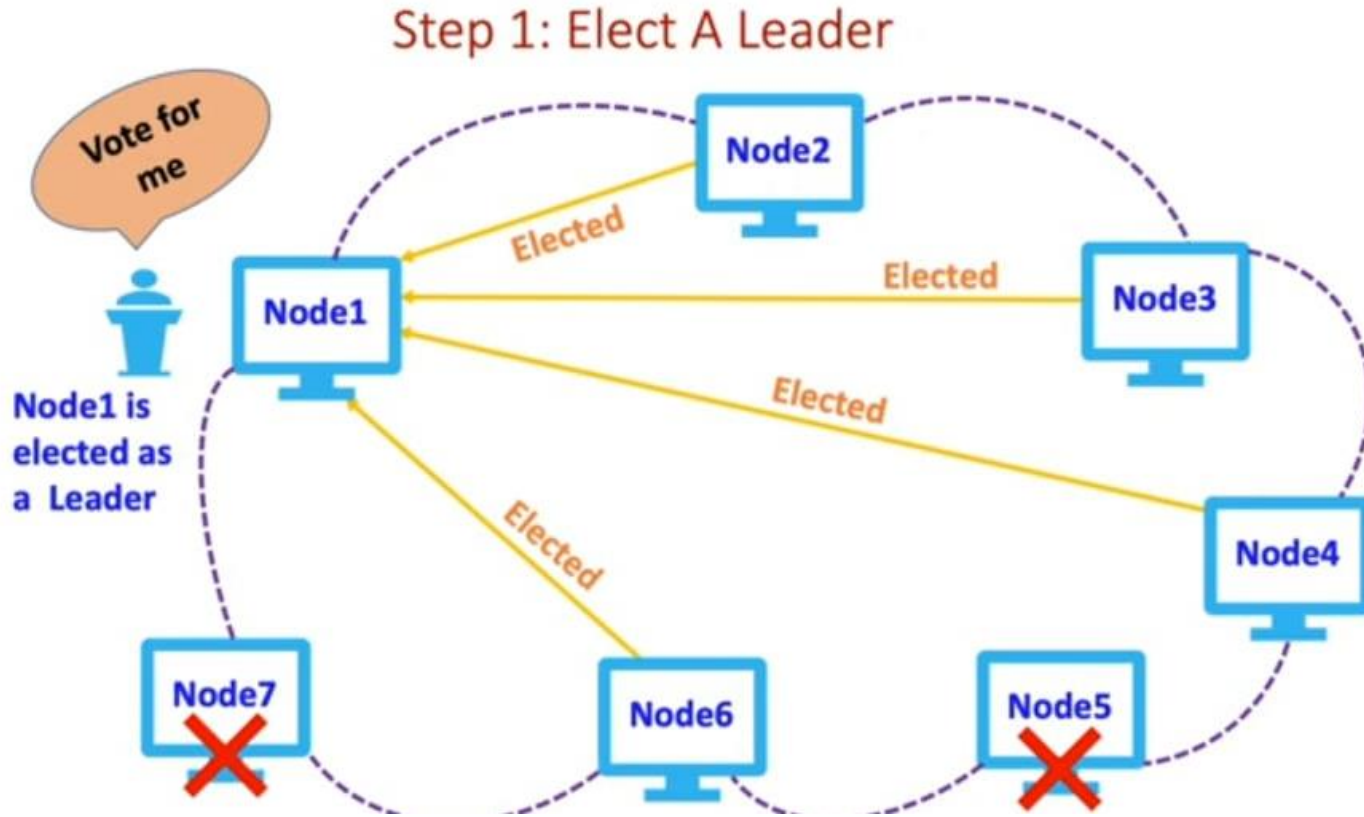


10/28/2023

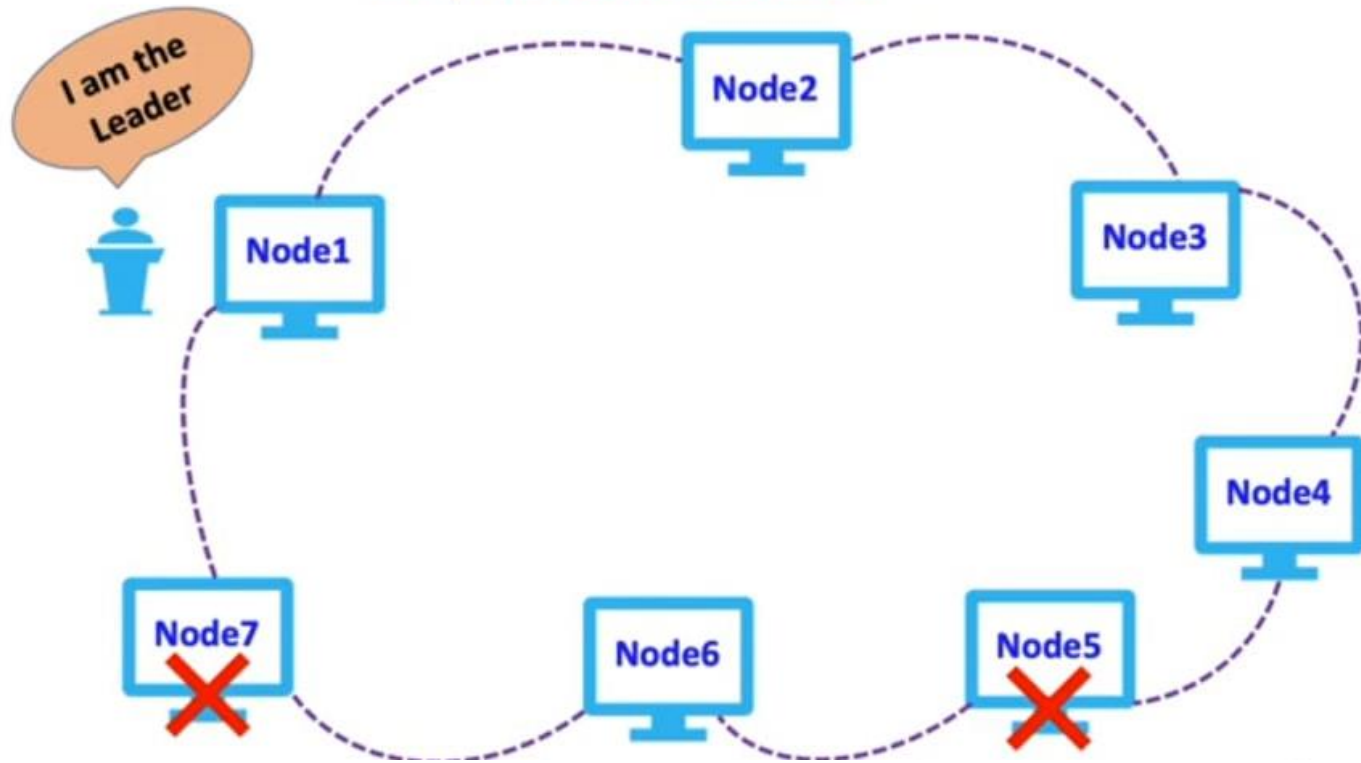
## Steps of Consensus Algorithm

- Step 1: Elect A Leader
- Step 2: Propose A Value
- Step 3: Validate A Value
- Step 4: Decide A Value

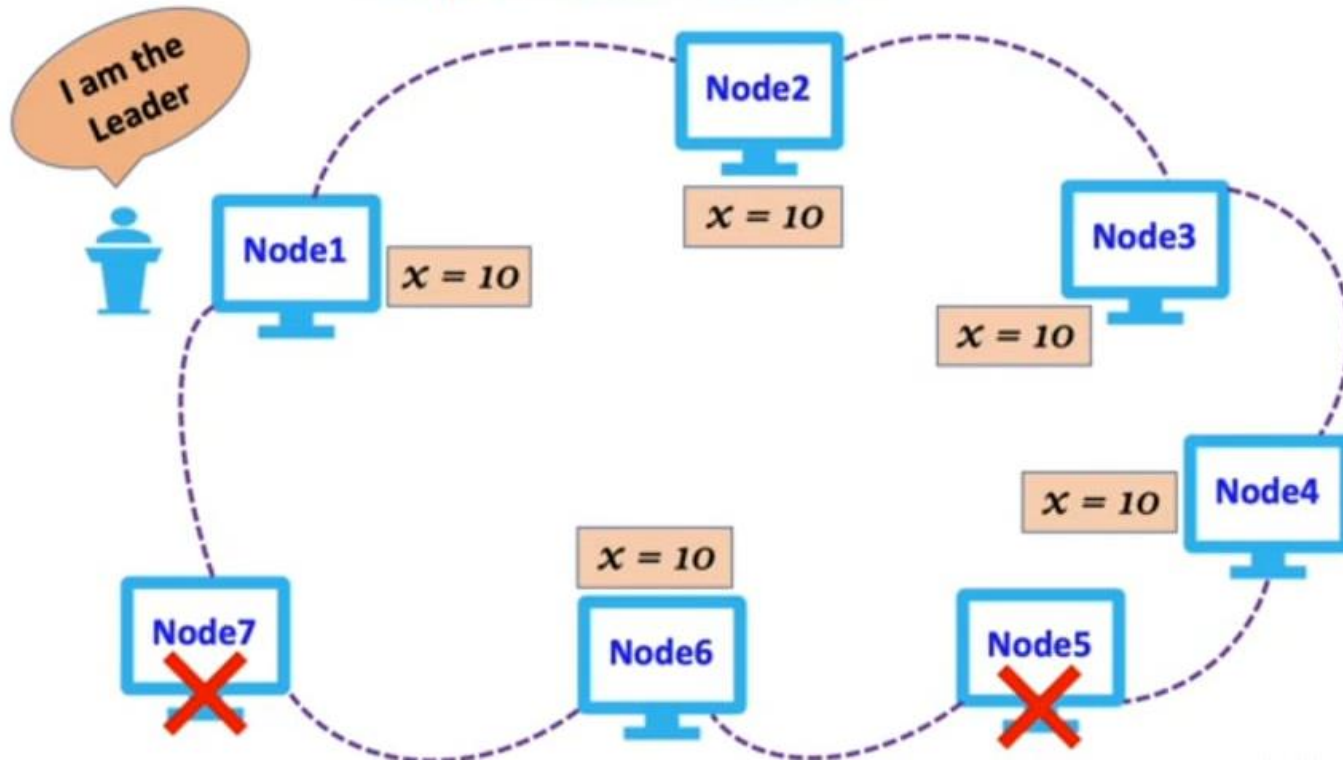




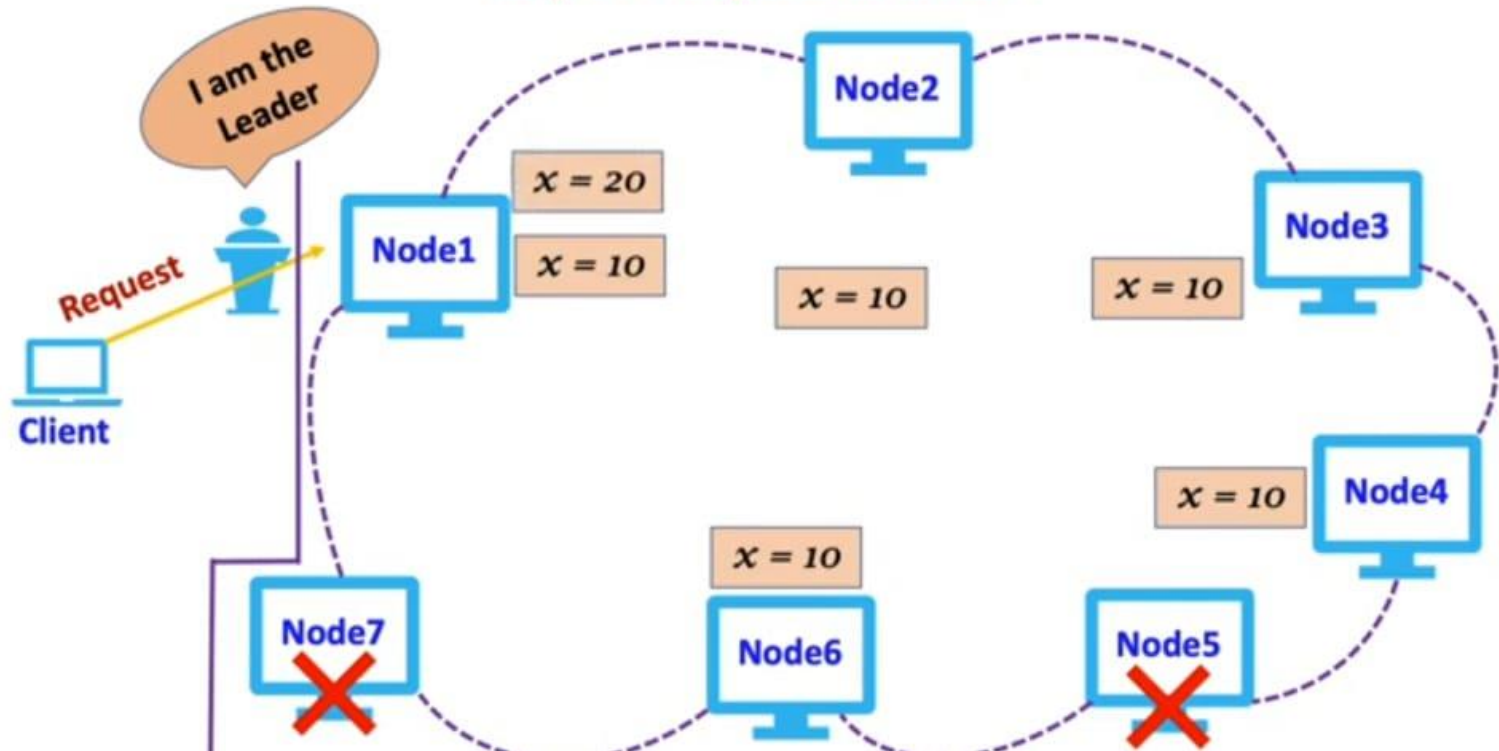
## Step 1: Elect A Leader



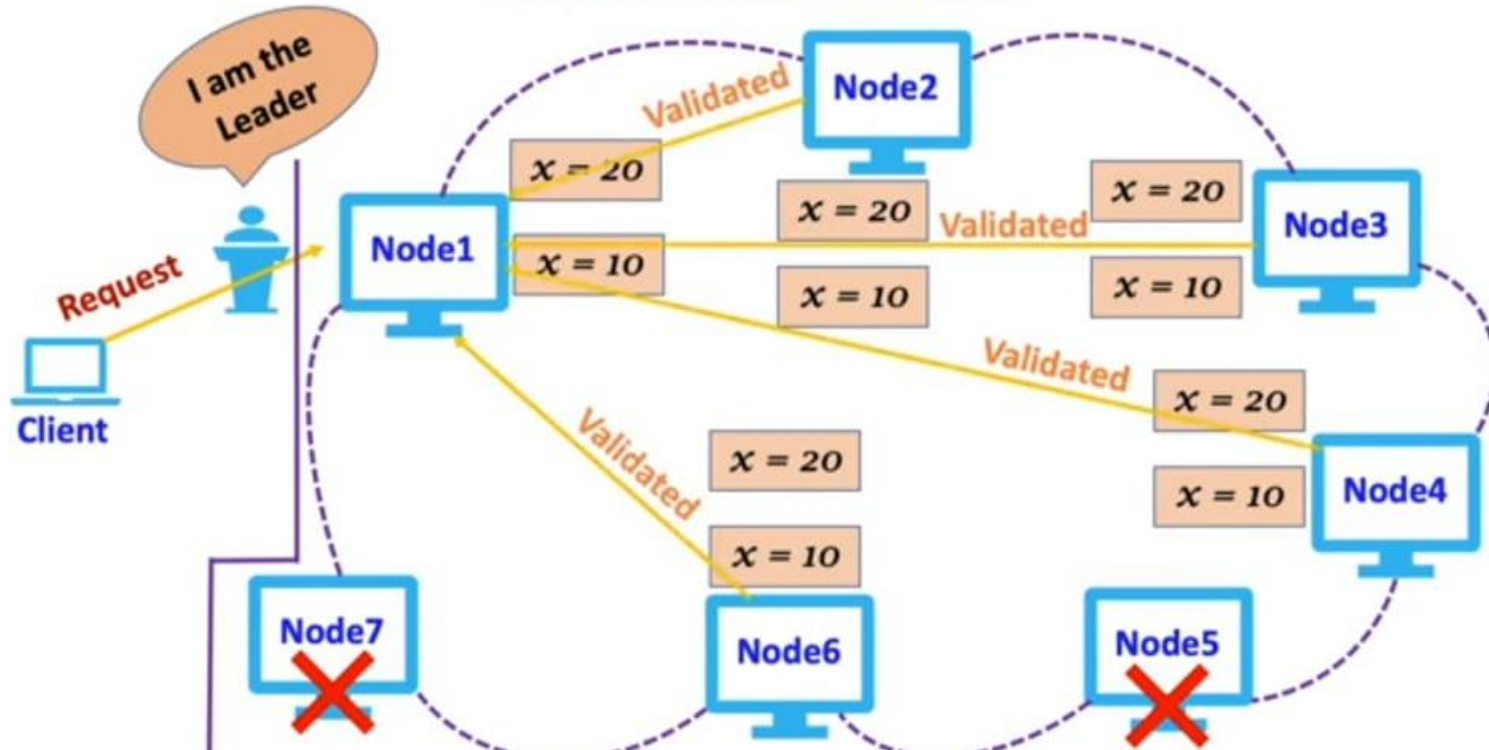
## Step 1: Elect A Leader



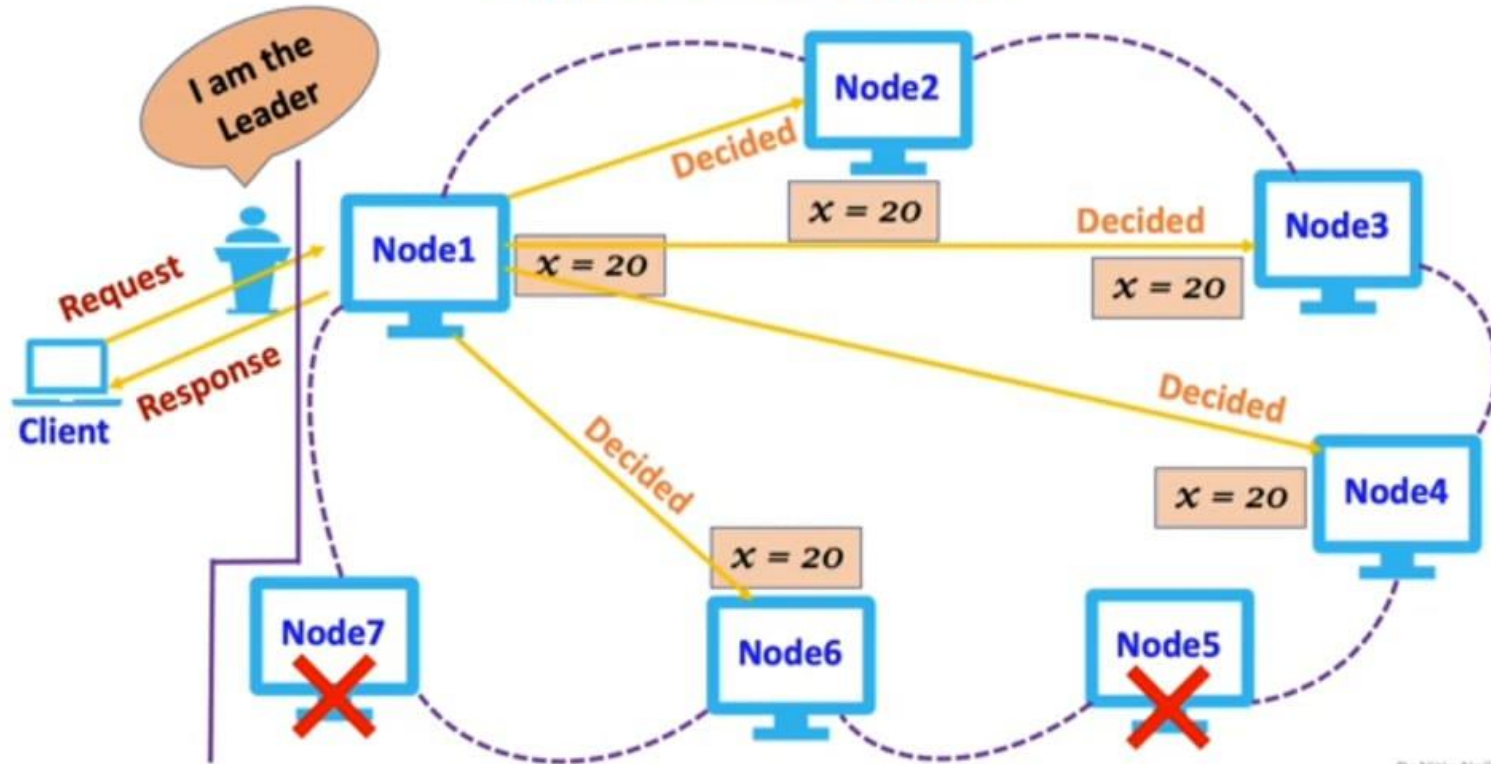
## Step 2: Propose A Value



### Step 3: Validate A Value

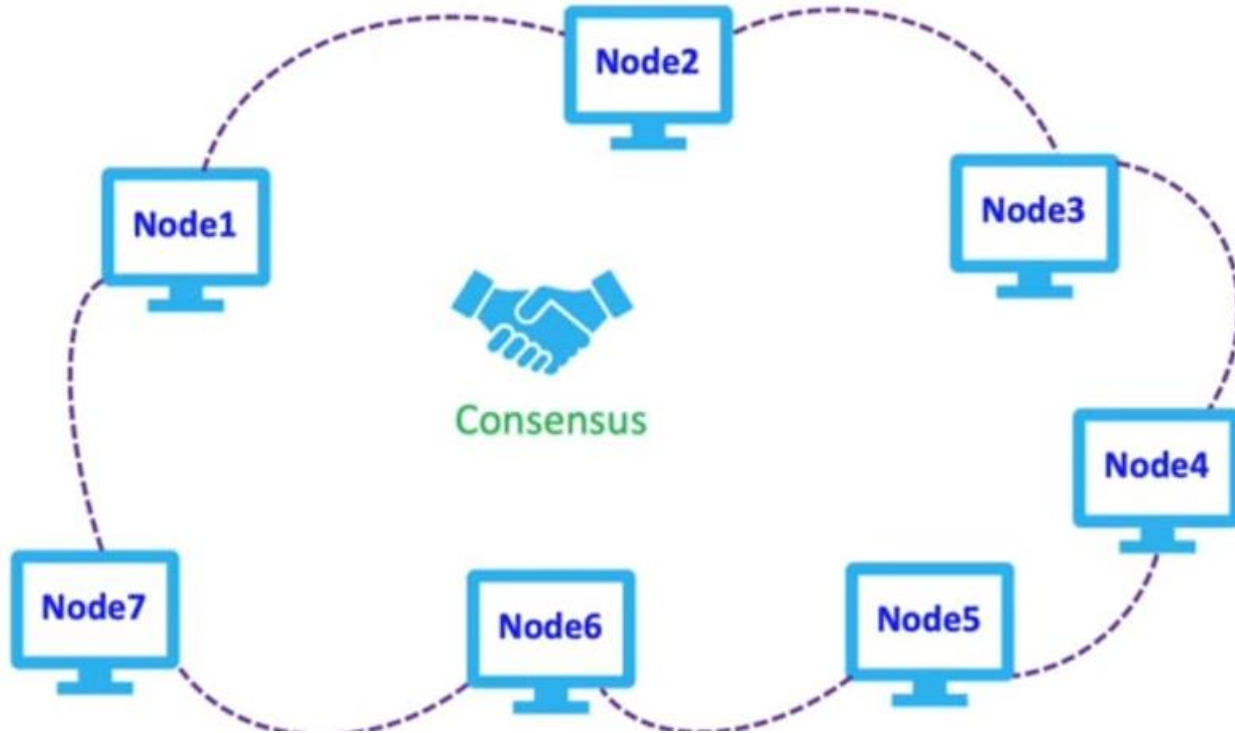


### Step 4: Decide A Value

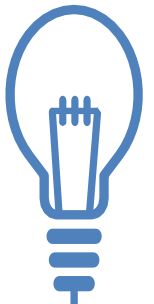
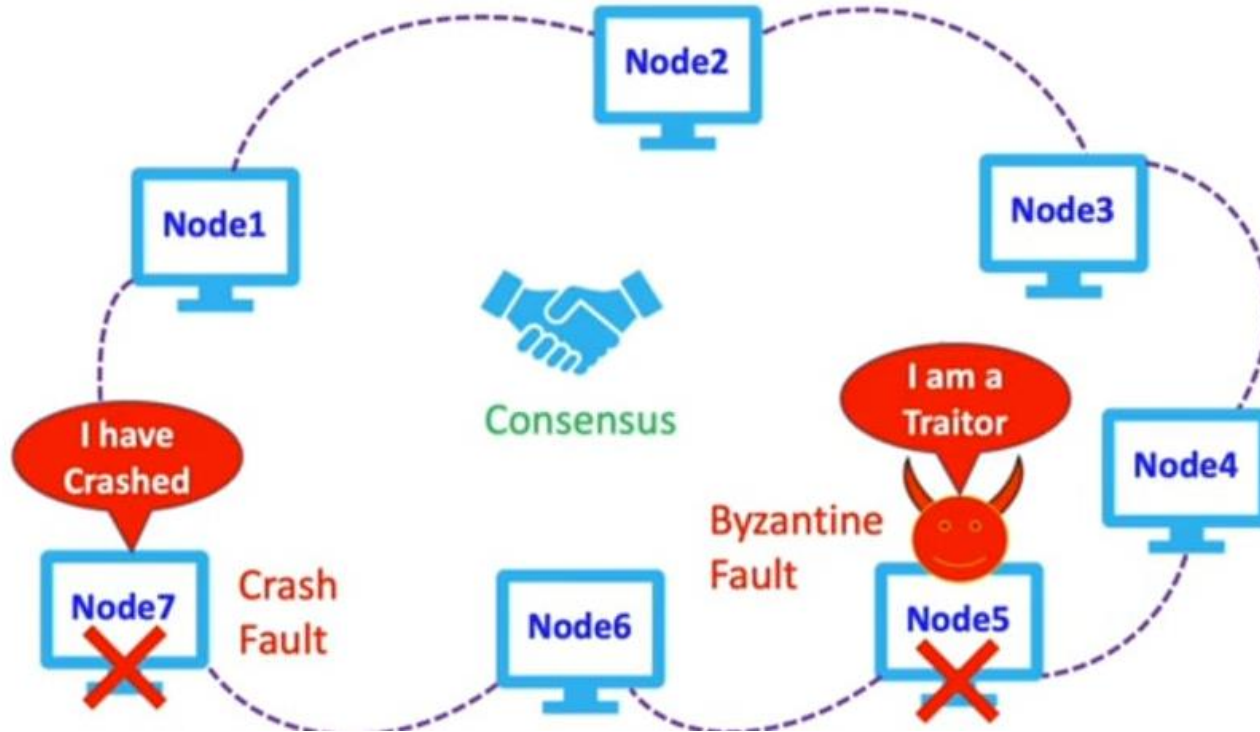




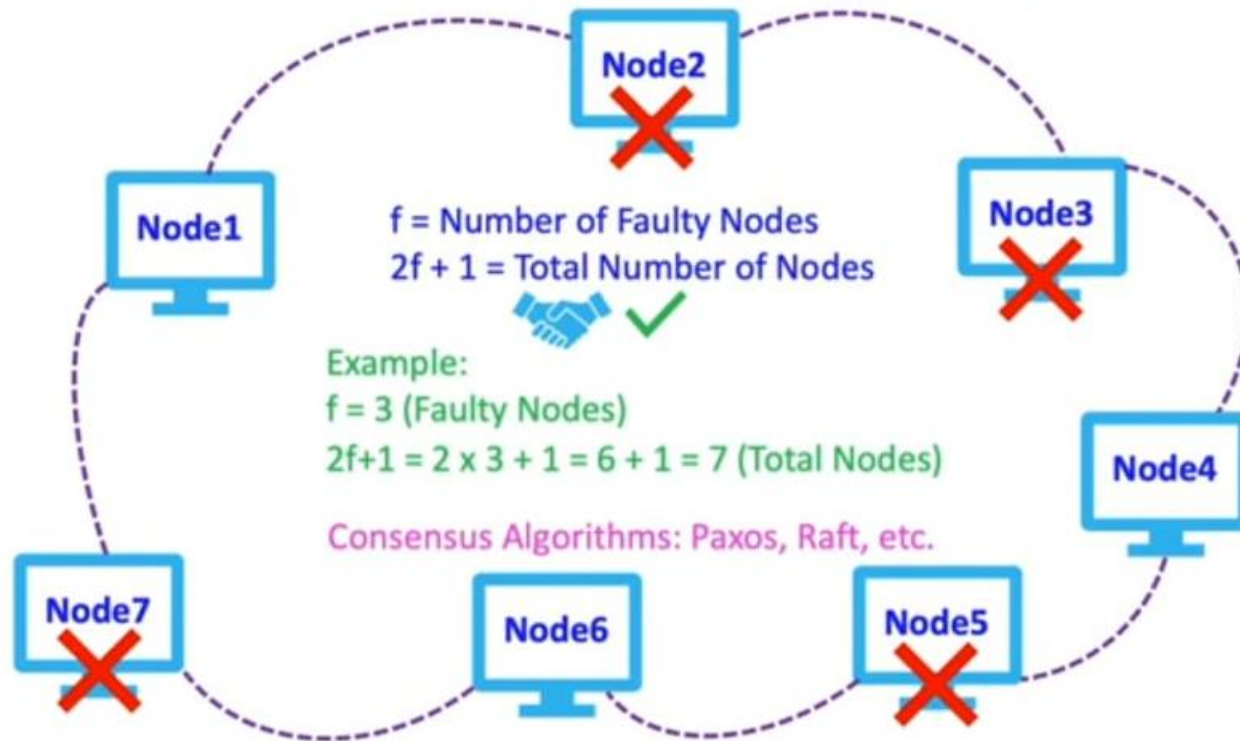
## Fault-Tolerance in Consensus Algorithm



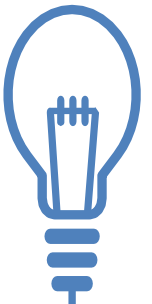
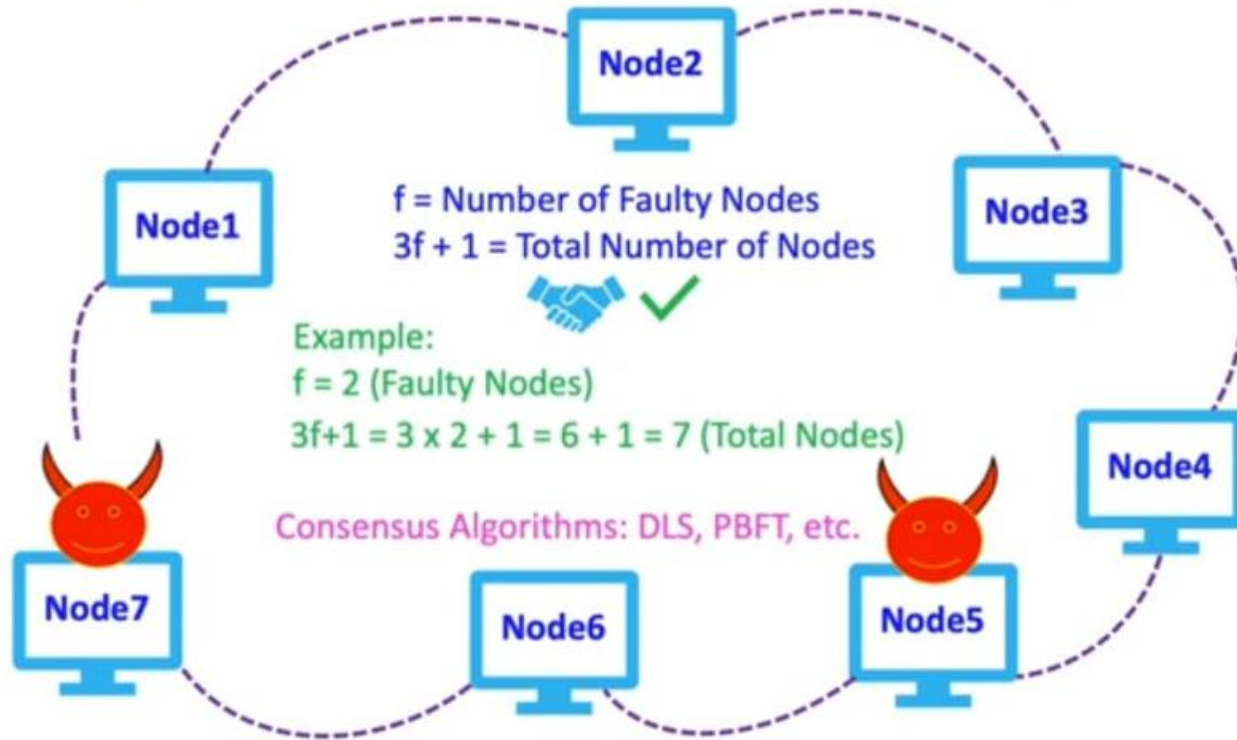
## Fault-Tolerance in Consensus Algorithm



## Crash Fault-Tolerance in Consensus Algorithm



## Byzantine Fault-Tolerance in Consensus Algorithm





**THANK YOU!!!**

