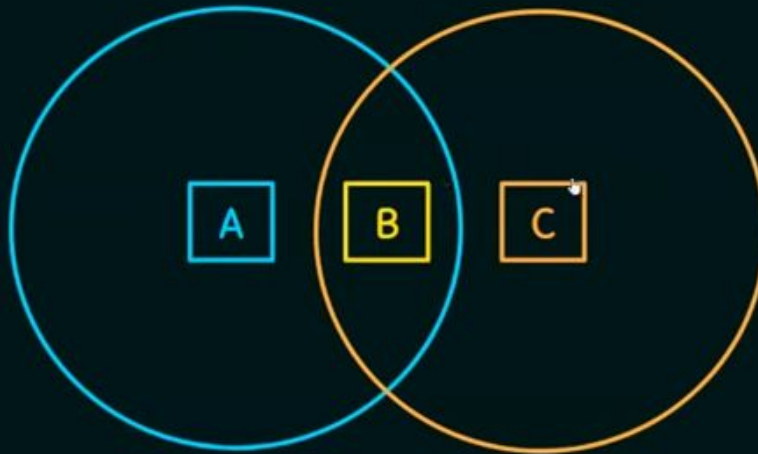


02:02

HIDDEN TERMINAL PROBLEM



Suppose both A and C want to communicate with B and so they each send it a frame.

- ★ A and C are unaware of each other since their signals do not carry that far.
- ★ These two frames collide with each other at B (But unlike an Ethernet, neither A nor C is aware of this collision).
- ★ A and C are said to hidden nodes with respect to each other.

NESO ACADEMY

03:06

HIDDEN TERMINAL PROBLEM – SOLUTION

Multiple Access Collision Avoidance (MACA) Algorithm – RTS and CTS frames

03:43

HIDDEN TERMINAL PROBLEM – SOLUTION

Multiple Access Collision Avoidance (MACA) Algorithm – RTS and CTS



Subtype:

- ★ It is a four – bit subfield states whether the field is a Request to Send (RTS) or a Clear to Send (CTS) control frame. For a regular data frame, the value is set to 0000.