

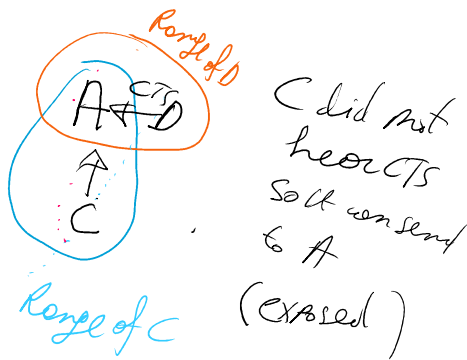
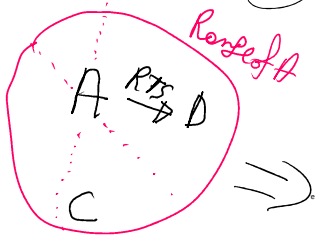
MACA Cases

RTS A \leftarrow RTS \Rightarrow NO CTS

A \xrightarrow{RTS} B \Rightarrow A \xleftarrow{CTS} B \Rightarrow A can send data

A \xrightarrow{RTS} B \Rightarrow A

B \Rightarrow no RTS so A cannot send data



B \xrightarrow{RTS} A

C \Rightarrow B \xleftarrow{CTS} A \leftarrow C can hear CTS (hidden) Success

A \xleftarrow{Data} B

B can send RTS $\xrightarrow{1}$ A

collision

RTS A \xrightarrow{RTS} A

This case is the same as

A
B C

B can send
RTS



in this case is
the same if
C sends RTS
simultaneously
to A!!

B did not hear RTS or CTS
But hears data from
C to A



Cons! B do
exponential Backoff