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Noisy Data Communication: Definition of Noisy Channels & Its Types for Competitive Exams 2021

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[Noisy Data Communication: Definition of Noisy Channels & Its Types \(Computer Science\)](#)

Topics

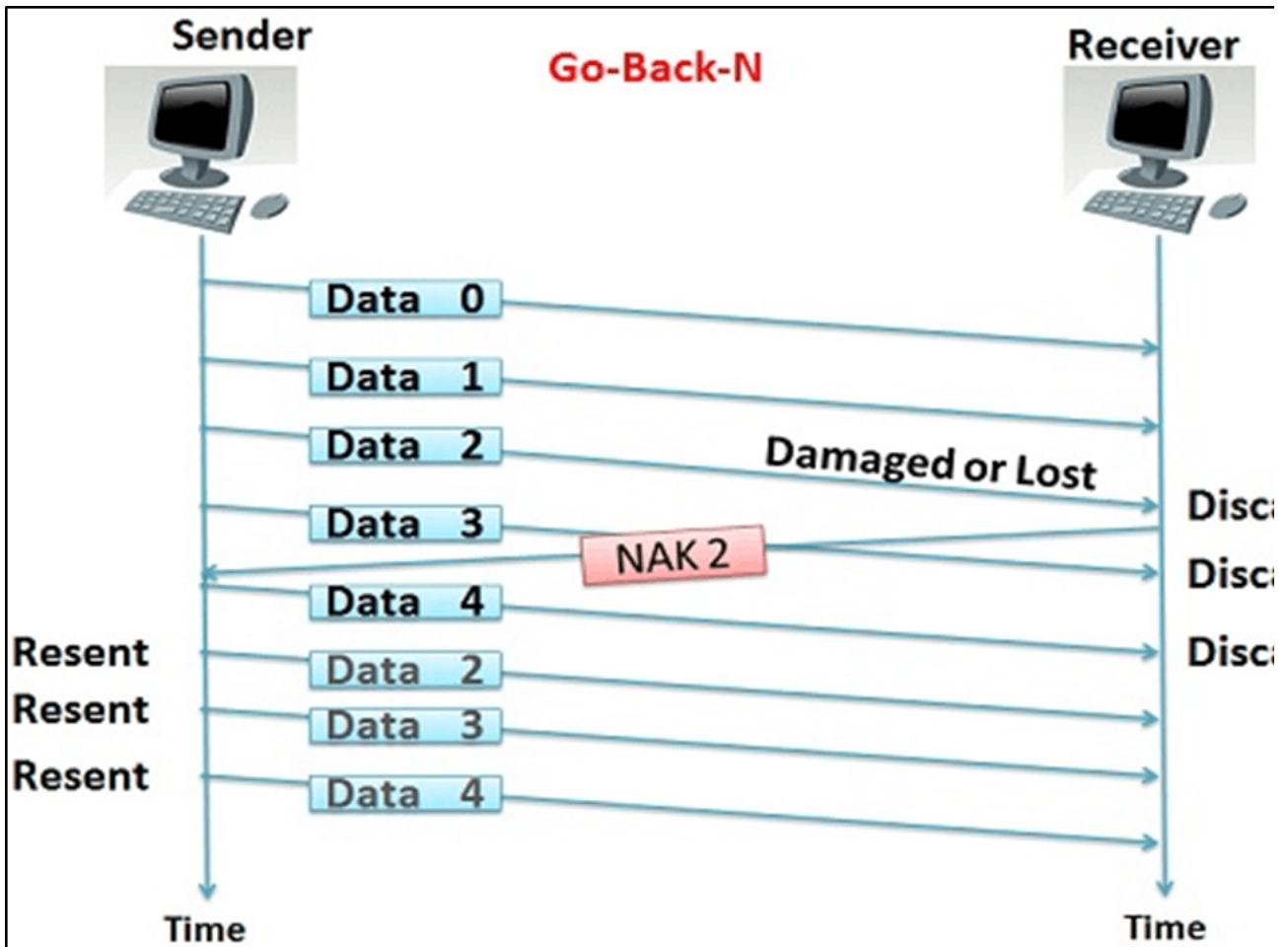
- Definition of Noisy Channels
- Sequence Numbers
- Stop & Wait Automatic Repeat Request
- Go-Back-N Automatic Repeat Request
- Selective Repeat Automatic Repeat Request

Definition of Noisy Channels & Its Types

- Noisy Channel:
 - Noisy Channel means that there will be lot of disturbance in the path when data is carried forward from sender to receiver.
- Types:
 - Sequence Numbers
 - Stop & Wait Automatic Repeat Request
 - Go-Back-N Automatic Repeat Request
 - Selective Repeat Automatic Repeat Request

Types of Noisy Channel

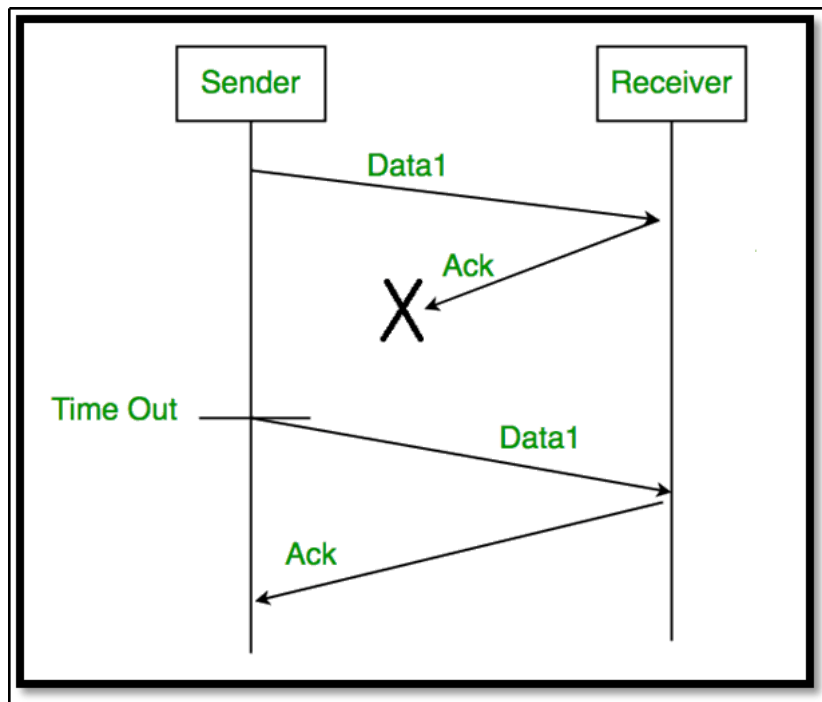
- Sequence Numbers:
 - When data will be sent, special sequence numbers will be added to the field of the data. So that receiver can have a check that data is received fully or missed some of the data packets.
- Go-Back-N Automatic Repeat Request with selective request:
 - Here only lost data in the past that receiver has not received, will be sent again to the receiver.



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Go-Back-N Automatic Repeat Request with Selective Request

- Stop & Wait Automatic Repeat Request:
 - Sender will wait for the acknowledgement for particular time period and if don't get feedback then it will send the data again.



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MCQ

Q1. Which of the following is not a type of Noisy channel of data communication?

Options:

1. Go-Back Automatic
2. Sequence Numbers
3. Stop & Wait
4. Sliding Window

Q1. Which of the following is not a type of Noisy channel of data communication?

1. Go-Back Automatic
2. Sequence Numbers
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Q2. Which of the following is true statement?

Options:

1. Receiver can send response back to the sender if required
2. Sender cannot resend the data if lost
3. Sender always wait for the error controlled channel to send the data
4. Receiver sends the data to various workstations and get the acknowledgement.

Q2. Which of the following is true statement?

Options:

1. Receiver can send response back to the sender if required
2. Sender cannot resend the data if lost
3. Sender always wait for the error controlled channel to send the data
4. Receiver sends the data to various workstations and get the acknowledgement.

#Noisy Channel

#Sequence Numbers

#Stop & Wait Automatic Repeat Request

#Go-Back-N Automatic Repeat Request

#Selective Repeat Automatic Repeat Request

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