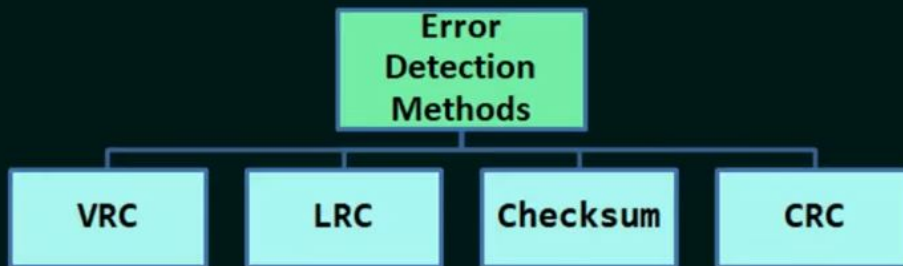


00:36

ERROR DETECTION



NESO ACADEMY

01:54

VRC

- ★ Vertical Redundancy Check.
- ★ It is also called as parity check.

VRC: 1; if odd number of 1's
VRC: 0; if even number of 1's



NESO ACADEMY

06:25

PERFORMANCE OF VRC

- ★ It can detect single bit error.
- ★ It can detect burst error only if the number of errors is odd.

Sender: 11100001 → Transmission Error 10100001 → Receiver rejects this data.

Sender: 11100001 → Transmission Error 10100101 → Receiver accepts this data.