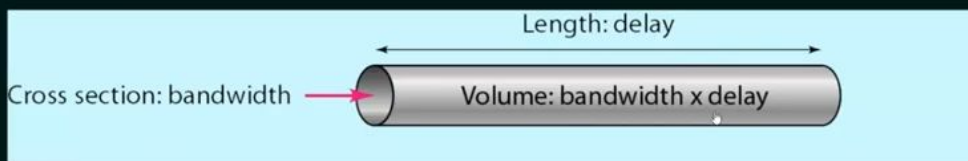


01:05

BANDWIDTH-DELAY PRODUCT

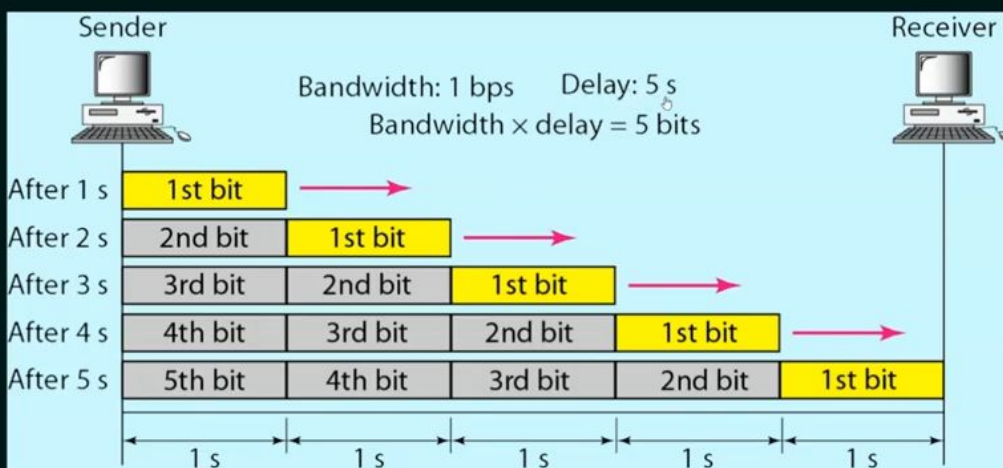
The bandwidth-delay product defines the number of bits that can fill the link.



NESO ACADEMY

02:17

BANDWIDTH-DELAY PRODUCT - EXAMPLE



NESO ACADEMY

04:15

BANDWIDTH-DELAY PRODUCT – SOLVED EXAMPLE

Consider that the link capacity of a channel is 512 Kbps and round – trip delay time is 1000ms.

Solution:

$$\begin{aligned}\text{The bandwidth delay product} &= 512 \text{ Kbps} \times 1000 \text{ ms} \\ &= 512 \times 1000 \text{ bits/sec} \times 1000 \times 10^{-3} \text{ sec} \\ &= 512,000 \text{ bits} \\ &= 64,000 \text{ bytes} \\ &= 62.5 \text{ KB}\end{aligned}$$