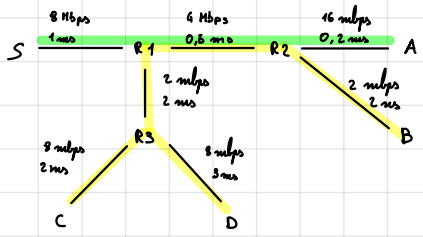
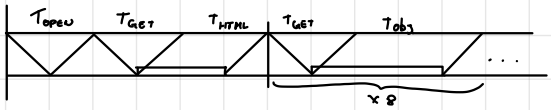
ESERCIZI

A → S HTTP $l = 100B$, $L = 1MB$ $n = 8$

D → B, C → B FTP



1) persistente:

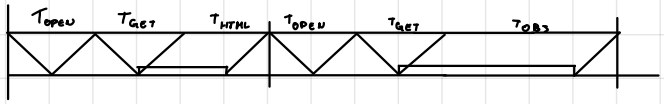


$RTT = 2(\tau_1 + \tau_2 + \tau_3)$ $T_{OPEN} = T_{GET} = RTT$ $T_{HTML} = \frac{l}{R_{HTML}} = \frac{100 \cdot 8}{8 \cdot 10^6} = 0,4\ ms$ $R_{HTML} = R_{OBJ} = 2\ mbps$

$T_{OBJ} = \frac{L}{R_{obj}} = \frac{8 \cdot 10^6}{2 \cdot 10^6} = 4\ s$ 1 mbps vs. $\frac{4}{8}$ mbps → cap. res. di 2 mbps per S → A

$T_R = T_{OPEN} + T_{GET} + T_{HTML} + 8(T_{GET} + T_{OBJ}) = 32,03\ s$

2) non persistente in parallelo



$RTT = 2(\tau_1 + \tau_2 + \tau_3)$ $T_{OPEN} = T_{GET} = RTT$ $R_{HTML} = 2\ mbps$, $R_{OBJ} = \frac{4}{10}\ Mbps$ 1 mbps vs $\frac{4}{10}$ mbps → tutti ristretti a 0,4 mbps.

$T_{HTML} = 0,4\ ms$

$T_{OBJ} = \ldots = 20\ s$

$T = 2T_{OPEN} + 2T_{GET} + T_{HTML} + T_{OBJ} =$