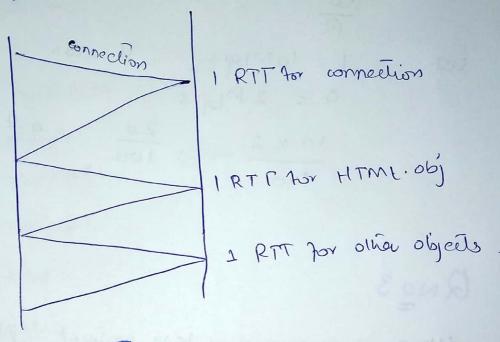
QN01.

## Persistent Connection:

If the connection was persistent then servers (come connection open after sending 1RTT for all Objects. Bob should check the connection whether its open or not.



Non- pensistent connection

OF connection was non-pessestant, then it requires

OF connection was non-pessestant, then it requires

Object object. One for connection and I for

object sending receively.

Connection IRTT to build connection

IRTT for the transfer

connection IRTT for the transfer

IRPT for Ale transfer

QNO2 R, slumBps R2 = 30 MBps Bottlenock : min (R, R2) = min (100, 30) Bottleneck = 30 average delay L= lombps, R slos as 2 Mbps 20 50.2 average delay QNO3 Upp is a connection less protocol. It is not reliable. So no nodes and edges arealed: But if we consider it as N peers sending data Though Mroulers It has (NXM) no.09 nodes (NxM)-1 no.of edges

Mon-persistent HTTP with no parallel TCP connections TRTT 3 + RTT + RTT n. Persistent HTTP as pollows RTT, t.... + RTT + 2RTT + PTT for connection for all objects Q NW 5 51024 bits let FolgBits Us & 2Mbps 5 0.480 Mbp 5 Uc, = 500 Kp \$1 Ucz 5 2Mpps d= 2Mbps. Went-Sewer D s max [ NF, F ] 200 102400 Soo Kbps

D 5 man [F F NF ]

10 Suckeys 5124.88 2056.22 2 Mbp ( 5140 102800

Explanation

. In client Server-distribution, the N files uploaded by server for N dients and each client downbad it.

. Whereas it 1921P, each chieut is selver as well. So mey can shall the sall the same Time

## GNOG:

· Herelie concepts of Dynamic Adaptive Streaming over titte will be used. Clients determines when to sequest churk of video, Here 300 Kpps is more effective on SOI. Because MPEGY often used in internet connection cuat is less then IMBPs. So for 36, 300 kpps is good

Q viet

J handshaking

1- Process of instituting a connection 2. acknowleding

3. Vien tre connection is established and data transfer begins.

because it is not a reliable data transfer probal and handshaking is used for reliable data transfer purposes.