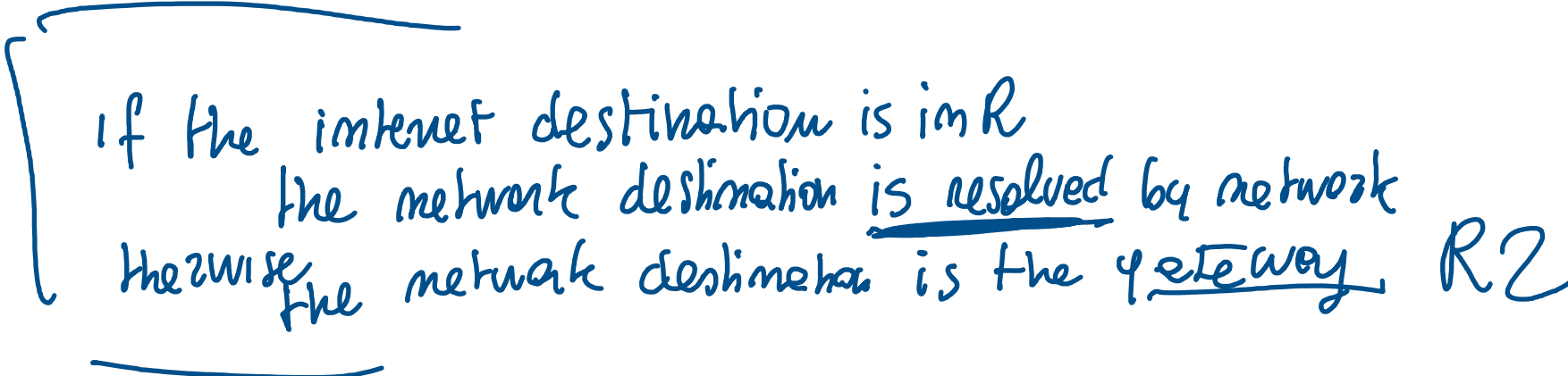


martedì 5 marzo 2024 11:48



Suite	OSI Layer 3 (Packet)
X.25	Packet Level Protocol (PLP) Packet
IPX (Internetwork Packet Exchange)	IPX Packet
AppleTalk	DDP (Datagram Delivery Protocol) Packet
DECnet	DECnet Packet
CLNP (Connectionless Network Protocol)	CLNP Packet
ATM (Asynchronous Transfer Mode)	ATM Cell*
Banyan VINES	VINES Packet

Today's Internet

The diagram illustrates a multi-layer network architecture. On the left, a LAN (Local Area Network) is represented by a horizontal line with three nodes. This LAN is connected to a central L2 (Layer 2) switch. The L2 switch is connected to a WAN (Wide Area Network) cloud. Inside the WAN cloud, there are four nodes connected in a mesh topology, with each connection labeled 'L2'. The WAN cloud is connected to another L2 switch, which is in turn connected to a second LAN on the right, represented by a horizontal line with three nodes.

Over time, the adoption of IP has become more direct, with Layer 2 technologies like Ethernet becoming prevalent for local and wide area networks. The original Layer 3 protocols like DECnet and AppleTalk have largely faded into the background, but their influence is evident in the flexible and robust nature of IP communication. The adaptability of IP to be encapsulated within different transport mechanisms has been a cornerstone of its success and its enduring presence in the realm of digital communication.