

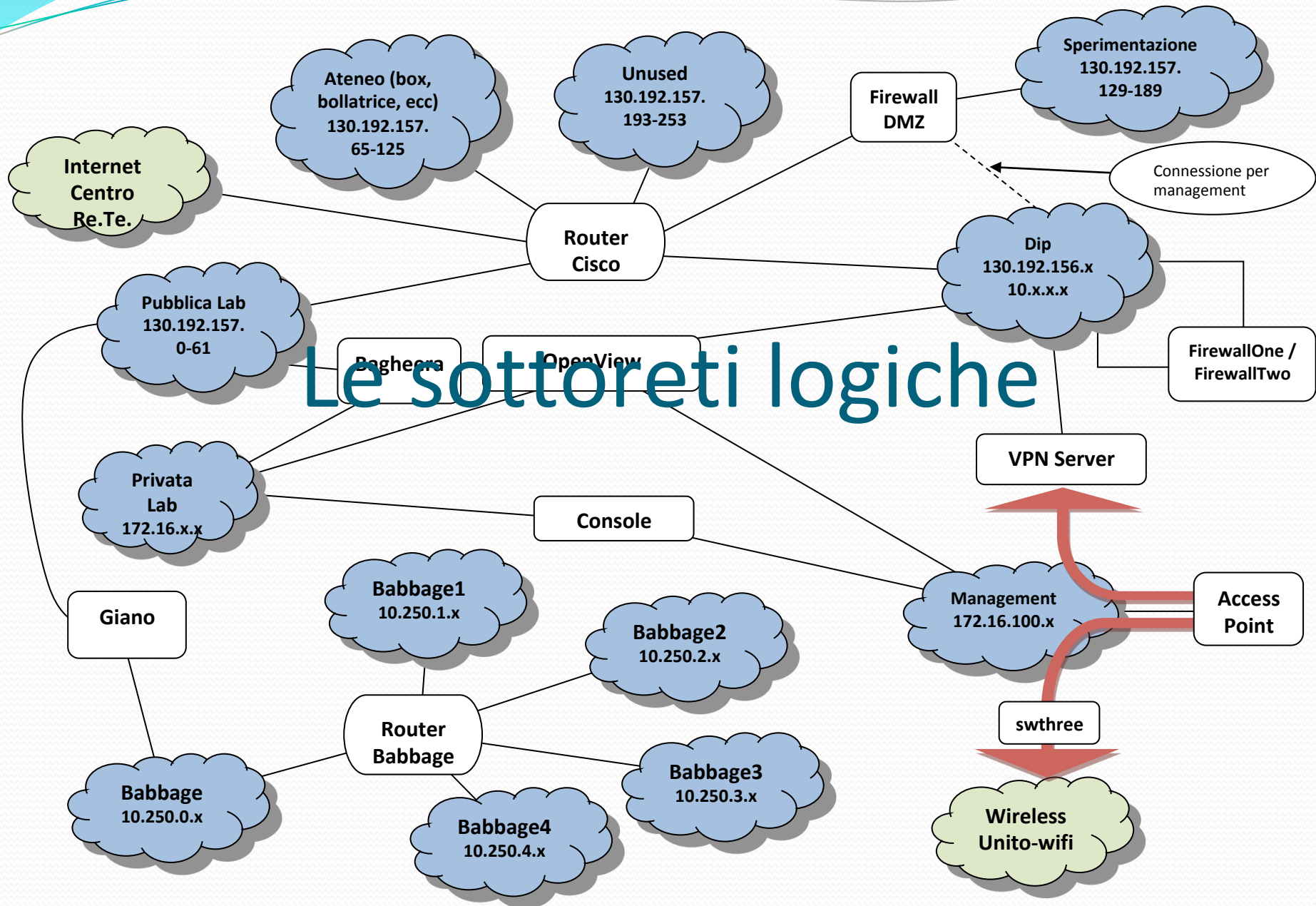
Struttura della Rete

il caso dell'Aula Informatizzata Babbage

Quali reti servono?

- Disponiamo di due sottoreti di classe C
- Bastano?
- Alternative.....

Le sottoreti logiche

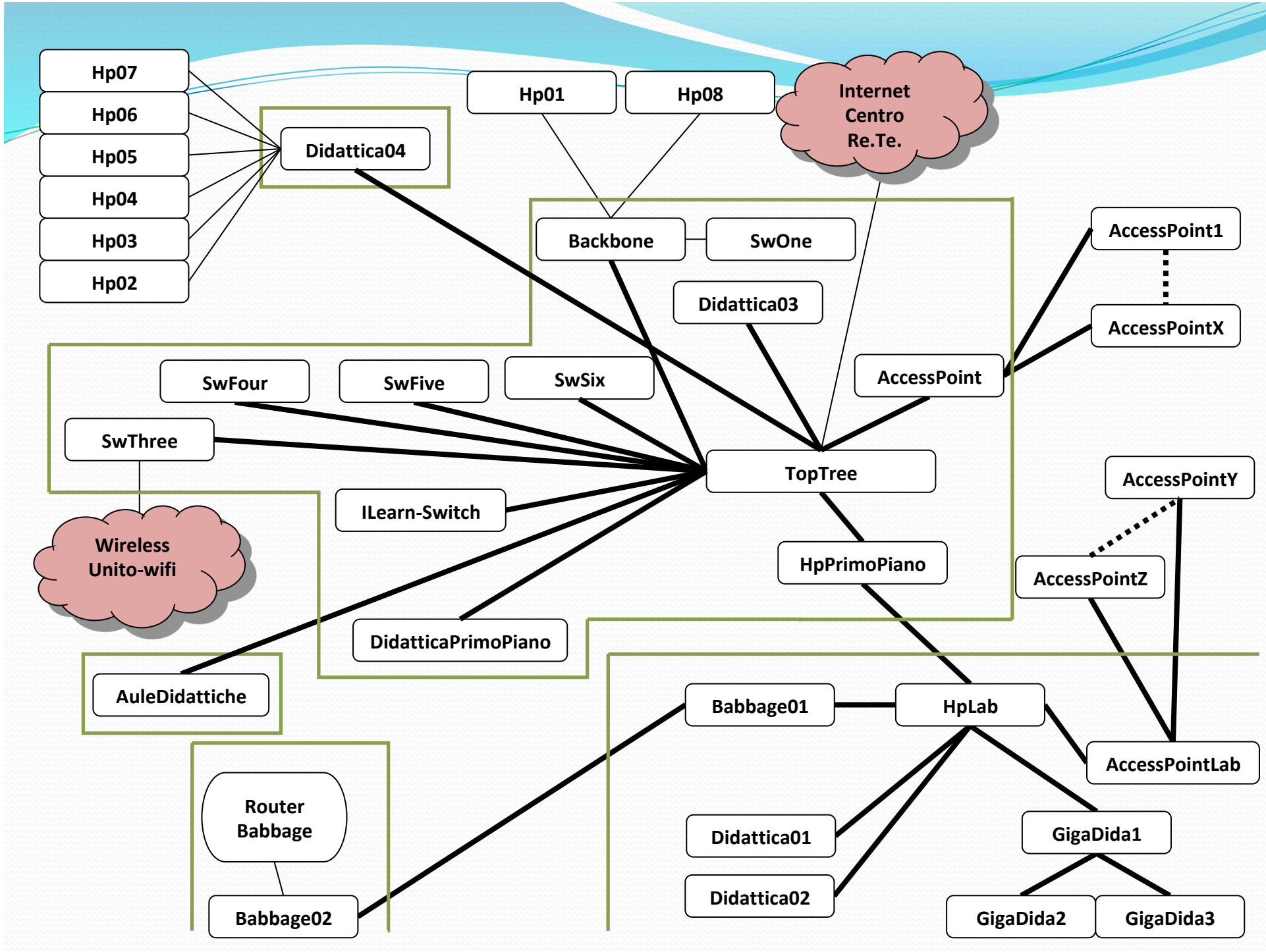


Realizziamolo....

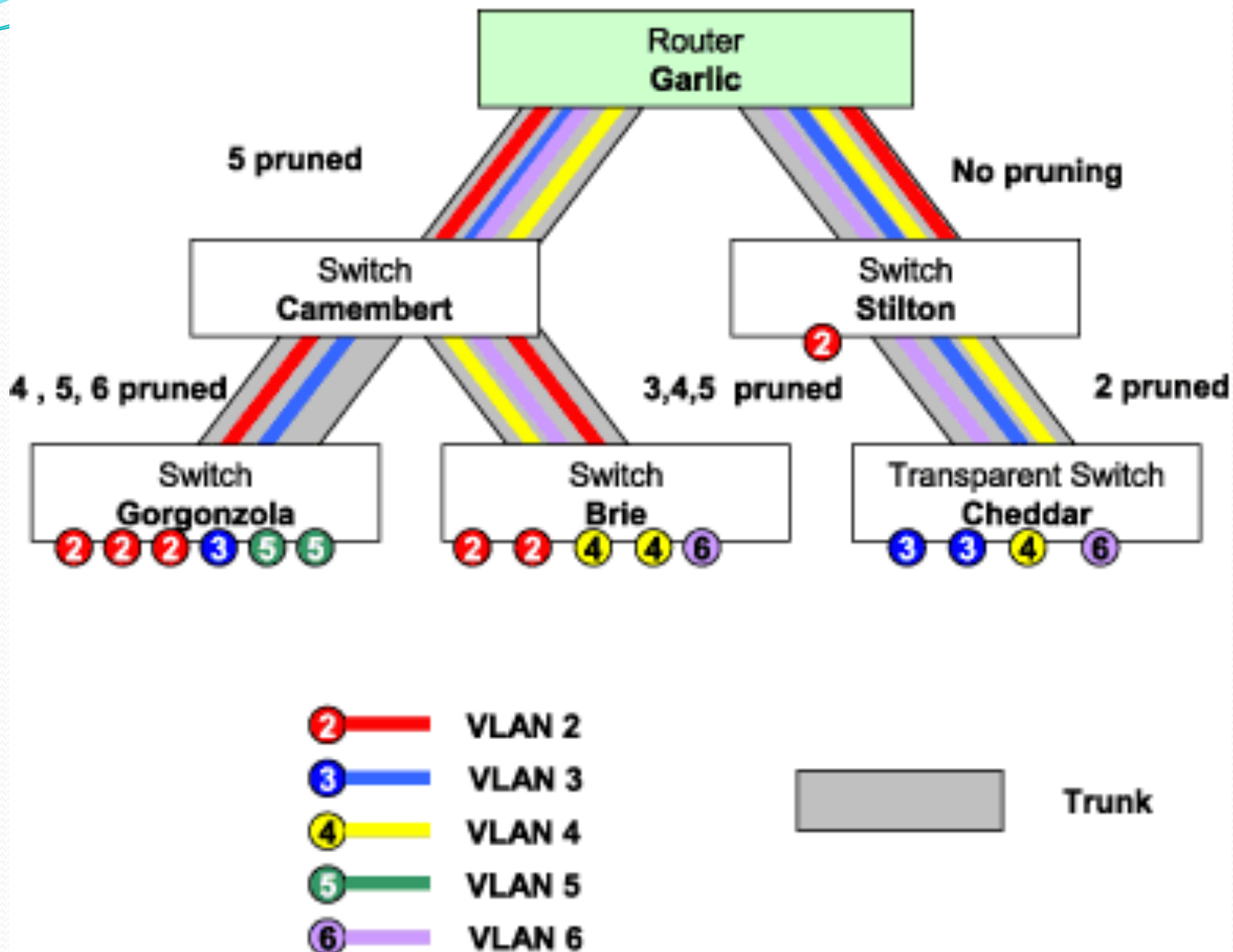
-ma quanti apparati ci servono?
- Esiste un alternativa?



La rete fisica



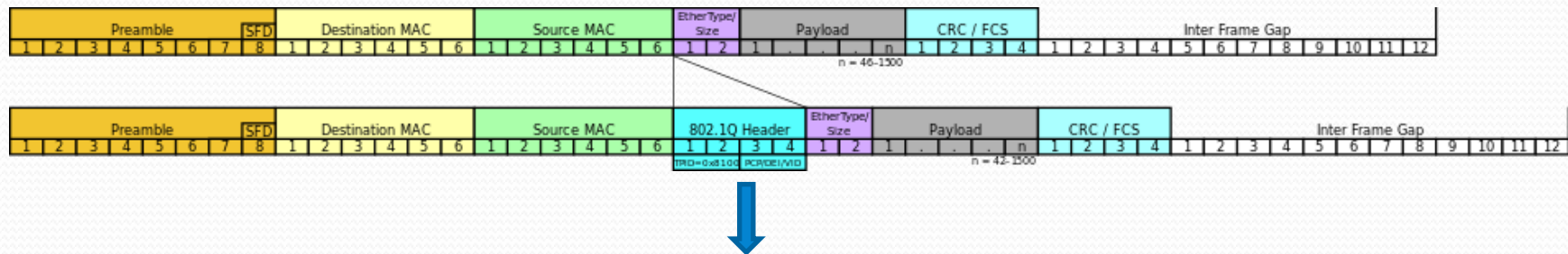
Example of VLAN Pruning's Benefit



Alcuni Ethernet Type

EtherType	Protocol
0x0800	Internet Protocol version 4 (IPv4)
0x0806	Address Resolution Protocol (ARP)
0x0842	Wake-on-LAN
0x8035	Reverse Address Resolution Protocol (RARP)
0x8100	VLAN-tagged frame (IEEE 802.1Q)
0x86DD	Internet Protocol Version 6 (IPv6)

Ethernet Frame



16 bit	3 bit	1 bit	12 bit
TPID -> 0x8100 (Tag Protocol Identifier)	TCI (Tag Control Information)		
	Priority Code Point	Drop Eligible Indicator	VLAN Identifier



Computer

Porta dello switch



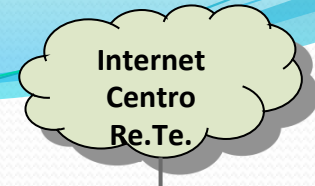
Pres a muro



Vlan



Cavo di rete



Giano

LABORATORIO BABBAGE

10.250.0.X

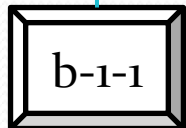
Babbageo2

Babbageo1

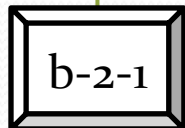
trunk

Router Babbage

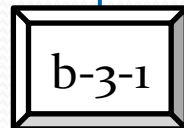
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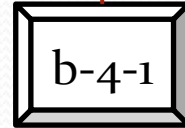
10.250.2.X



10.250.3.X



10.250.4.X



SALA MACCHINE

