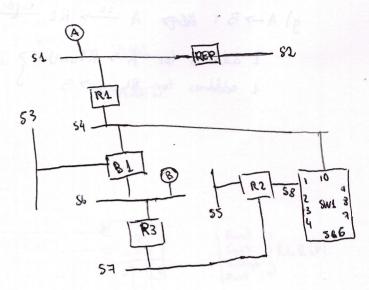
6.3.2.

fa 19 & 19 18 14 18]

Given this M network where:

- · Sx are Ethernet segments
- . Rx are routers with some free interfaces
- o BL is a bridge
- · Rep is repeater
- . SWA is a 10-post out-through switch
- · A&B are nodes
- a) # Now many at COs are there? On which segs? " On which & SWA ports?
- b) How many BDs? On which segs and SW1 ports?



We configure 4 port-based VLANS on SW1:

- · VLAN1: 1,2,3
- . VLANZ: 4,56
- . VLAN3: 7,8
- . VLAN4: 9,10
- c) Now many CD? On which segs and SW1 ports?
- d) How many BDE? On which segs and SWA ports?
- e) How are VLAN1 and VLAN4 connected?
- f) Now can we correct VLAND and VLAND to the rest?
- g) How many eth state addresses one used in some comms between A and 8?

c) 15 cD s:
$$\frac{51,52}{10} |\frac{53}{10}| \frac{54}{10} |\frac{56}{10}| \frac{55}{10} |\frac{57}{10}| \frac{58}{10} |\frac{51}{10}| \frac{51}{10} |\frac{51}{10}| \frac{51}{10} |\frac{51}{10}| \frac{51}{10} |\frac{51}{10}|$$

f) We could connect one port of SW1's VLAN2 (4,5, or 6) to a free toff interface of R1, and do the same for one for port in VLAN3(1,8) for to another free interface in R1 (or in R2 if there are no more)