## COMPLITER NETWORK

ASSIGNMENT

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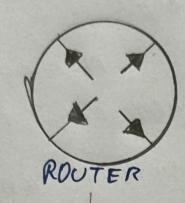
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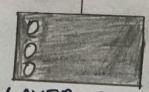
SCENARIO: A School wants to iso Late Student traffic between the computer Lab, Robotic Lab, and Libary

- 1. How do VLAN: help in managing and . Selwing Such segmented traffic
  - · VLANS (VITHUU LAGNS) S eparcits
    Network traffic logicules, even if verices
    ore on the same physical switch
  - Each lab (Computer Lab, Robotics cab, Library)
    can be assigned a unique ULAN, proventing direct
    communication
    between them.
  - ond management (controlled access per defartment or use case).
- 2. What additional configuration is needed to enable inter-vean communication
  - \*) A Lagor 3 acrice ( such as a router or Layer 3 switch) is required.
  - \*) you need to configure Rocuter-on-a-Stick on sul C Switcher virture interfales For each VLAN.

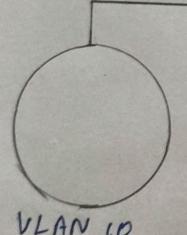
or this setup allows contrabled inter-ulan mouting, so devices can communicate only if permitted by alless convert rules on Firewall policies.

## VLAN SECTMENTATION

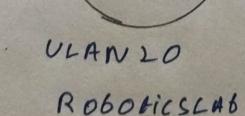




LAYER SWITCH



VLAN 10 computer



VLANSO Library