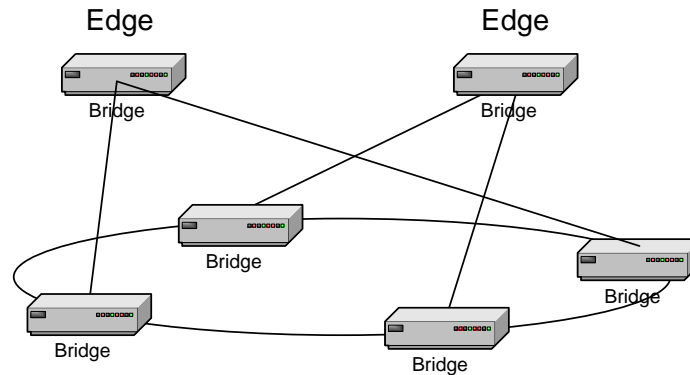# Mid-term examples

Questions

- 10 questions, half theoretical, half practical
- Theoretical questions like:
  - Short answers (1-2 sentences)
    - Ex1: What is a VLAN and how does it work?
    - Ex2: What is the difference between passive and active opical networks? Which are the advantages/disadvantages?
  - Practical
    - To be solved
    - Examples from labs
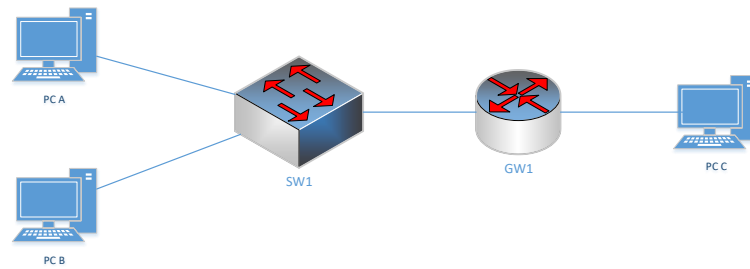
Practical examples - 1

- ## STP/MSTP

- ## Given the topology, draw the resulting tree
  - ### RSTP
  - ### MSTP: root selection

Practical examples - 2

- Packet forwarding on the example topology
  - Ethernet, ARP, IP

Practical examples - 3

- IP addressing
  - IP addresses – are they on the same subnet?
- Routing table
  - Longest prefix match
- CIDR
  - reduce routing table

Mid-term date: 6th Nov.