

# Welcome Cyber#1

**Reader:**        [reader.codaisseur.com](https://reader.codaisseur.com)

**Slack:**        [codaisseur-school.slack.com](https://codaisseur-school.slack.com)

**Discord:**     <https://discord.gg/qyehPh>

# Today...

- Homework
- Livecode
- Network **design**

# HomeWork

## Python port scanner

# **Network design**

# Devices...



UPS...



Box...



# Firewall...

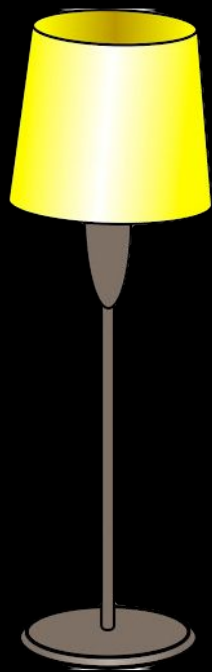
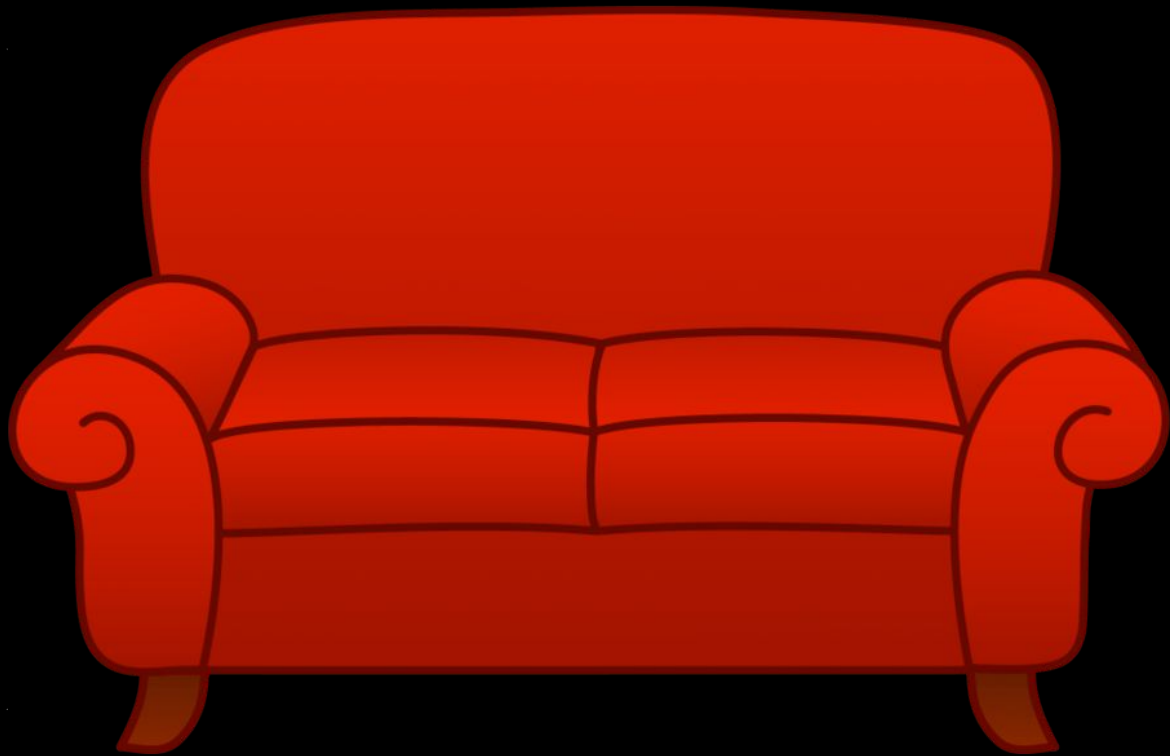
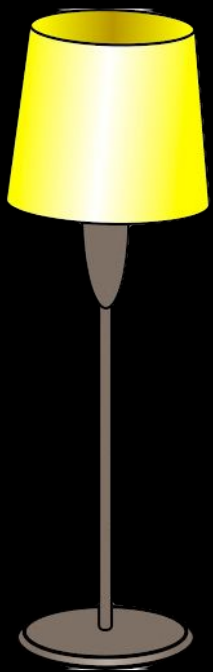




# Modem...

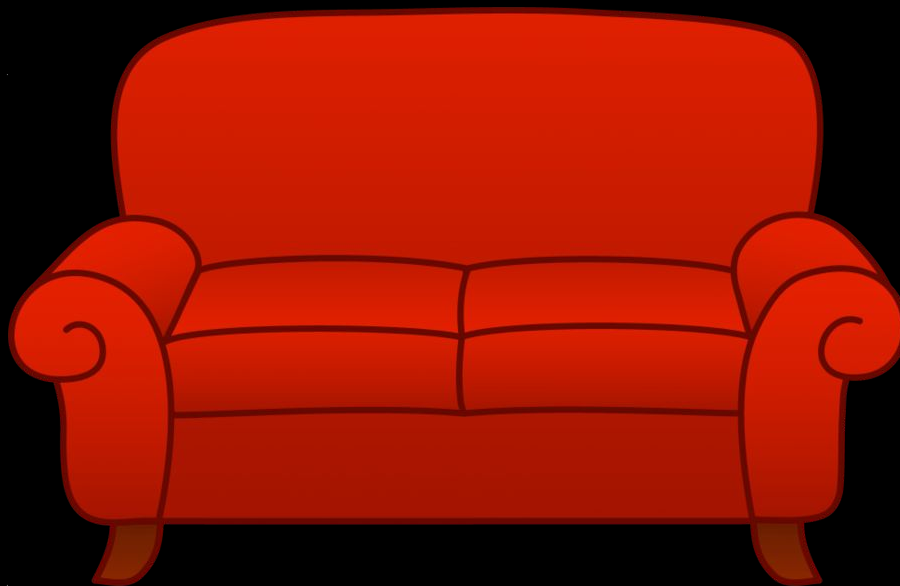


**Redundancy**

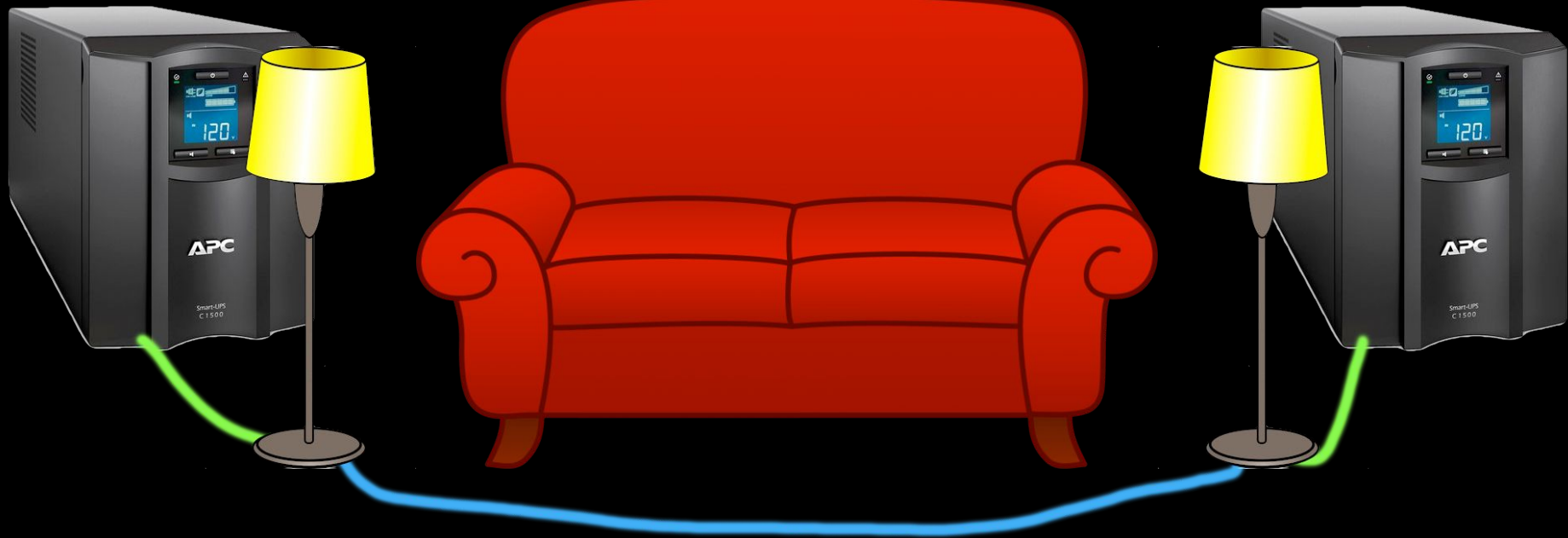


H...



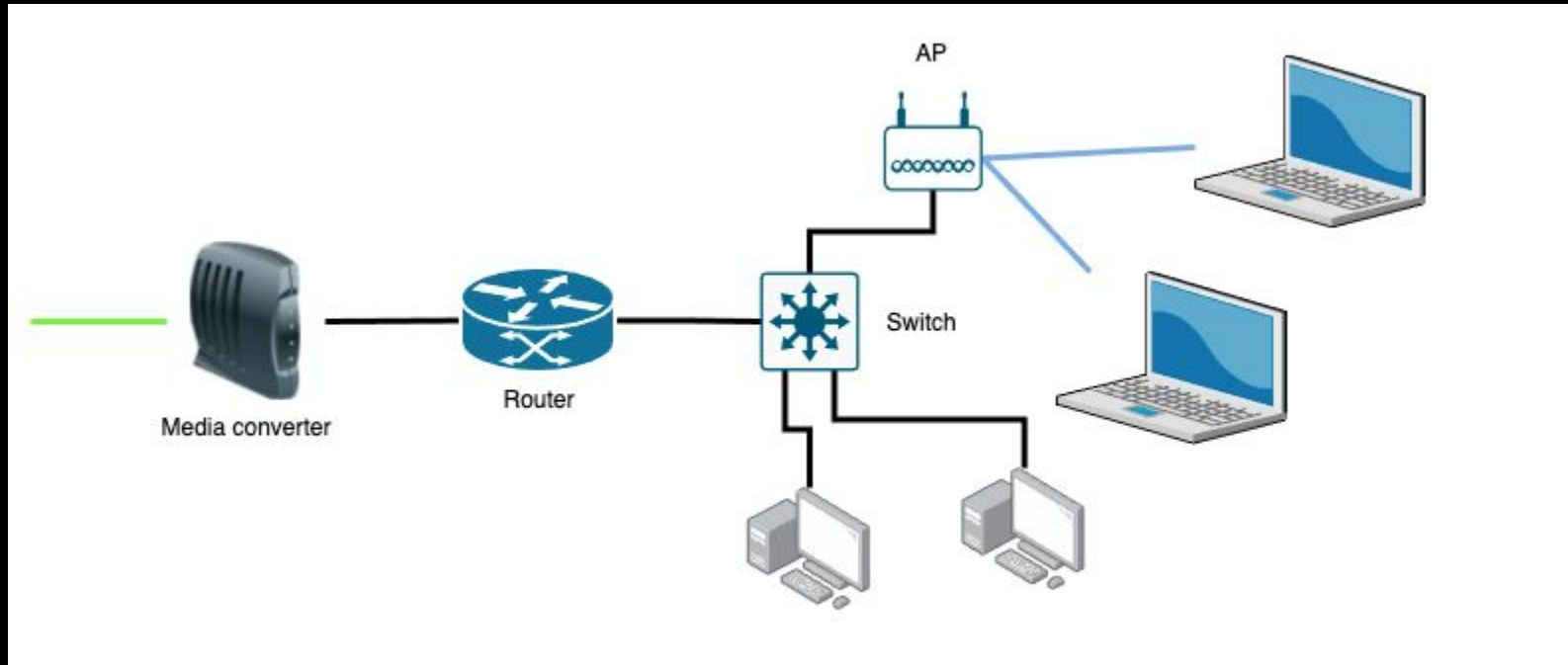


H...



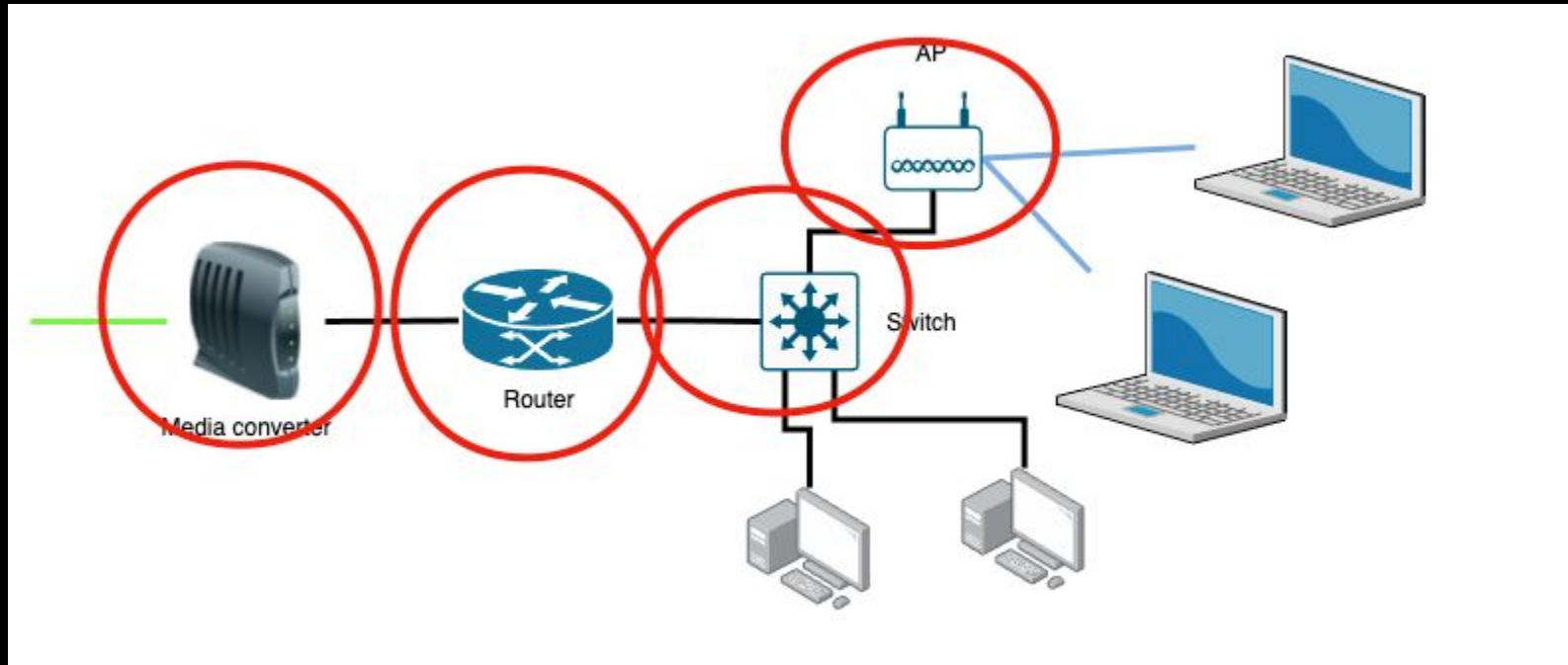
**Redundancy** is the **duplication** of **critical** components or functions of a **system** with the **intention** of **increasing** reliability of the system,

# Basic network...

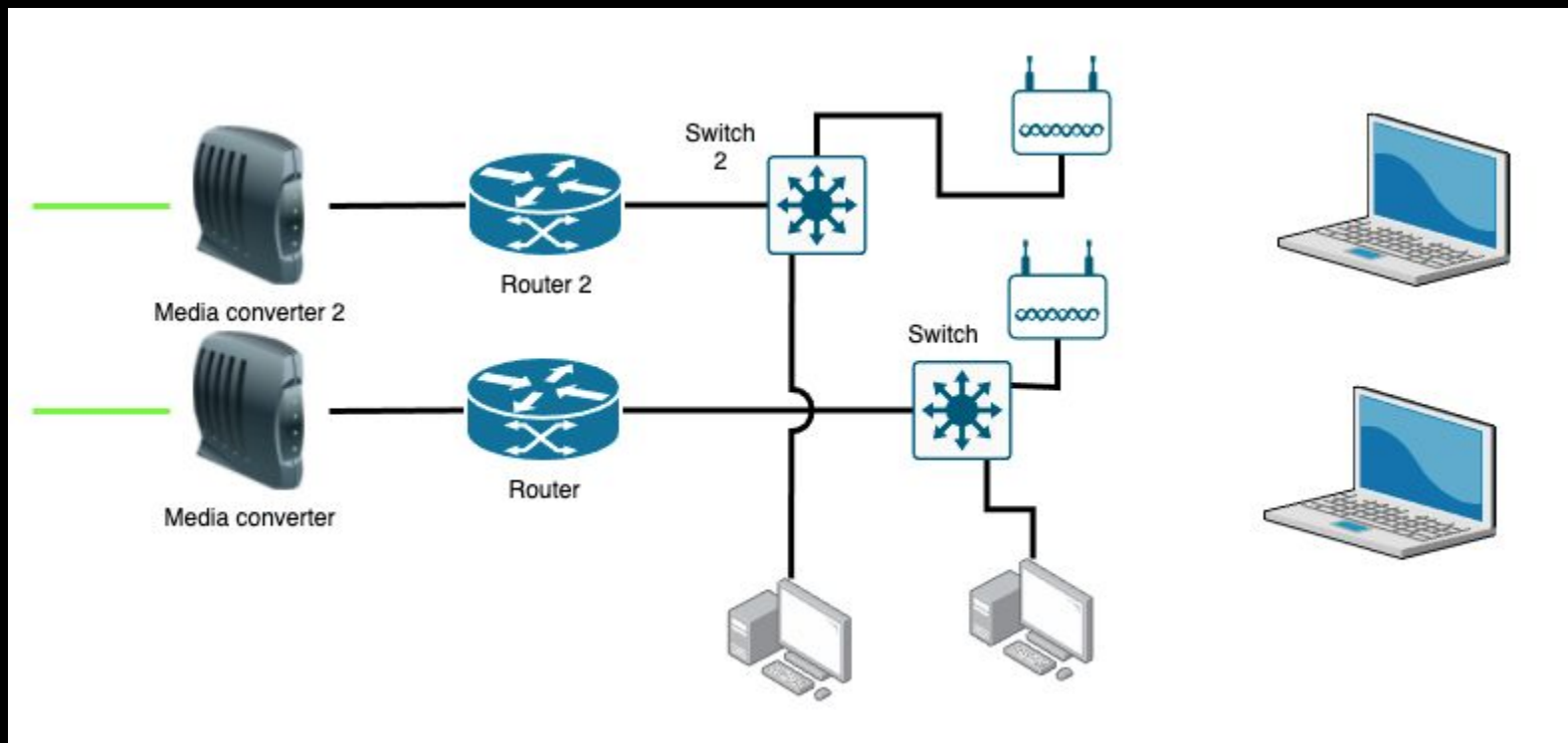




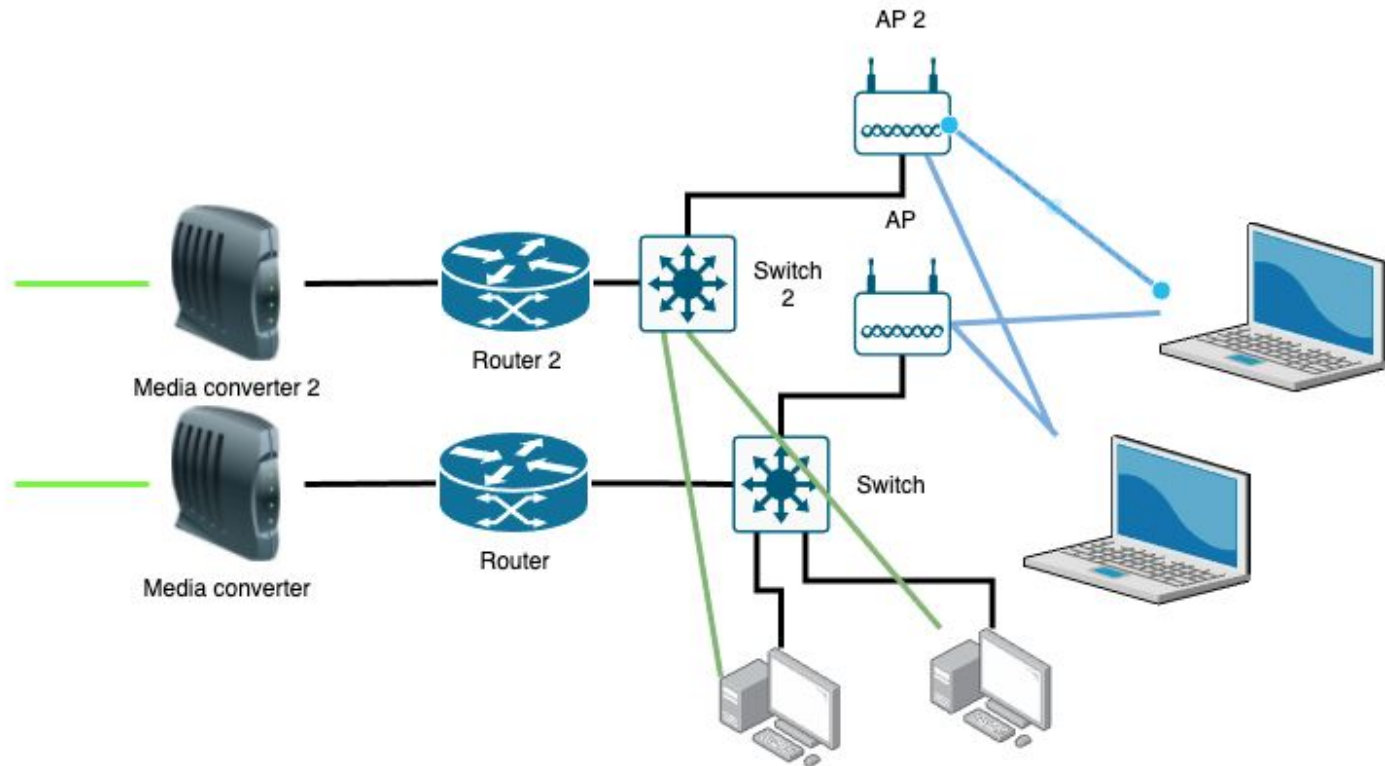
# Point of failure...



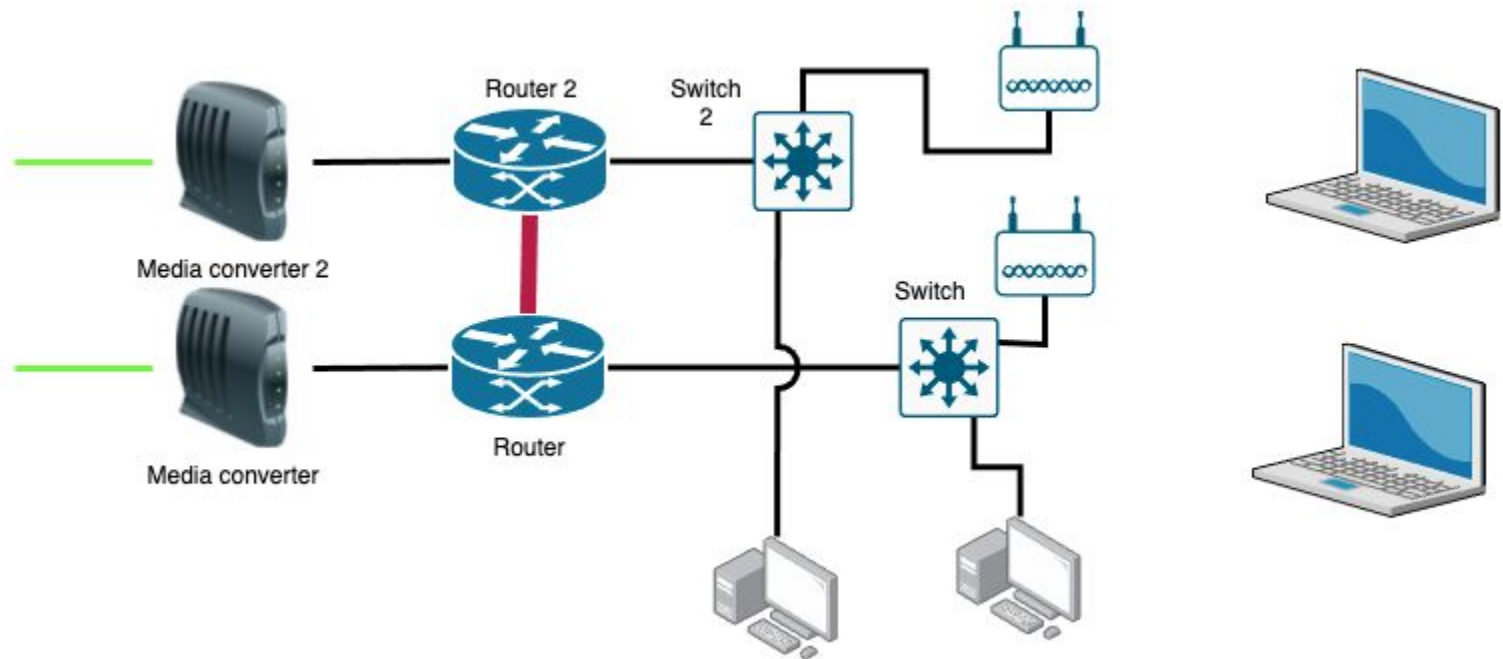
# Better...



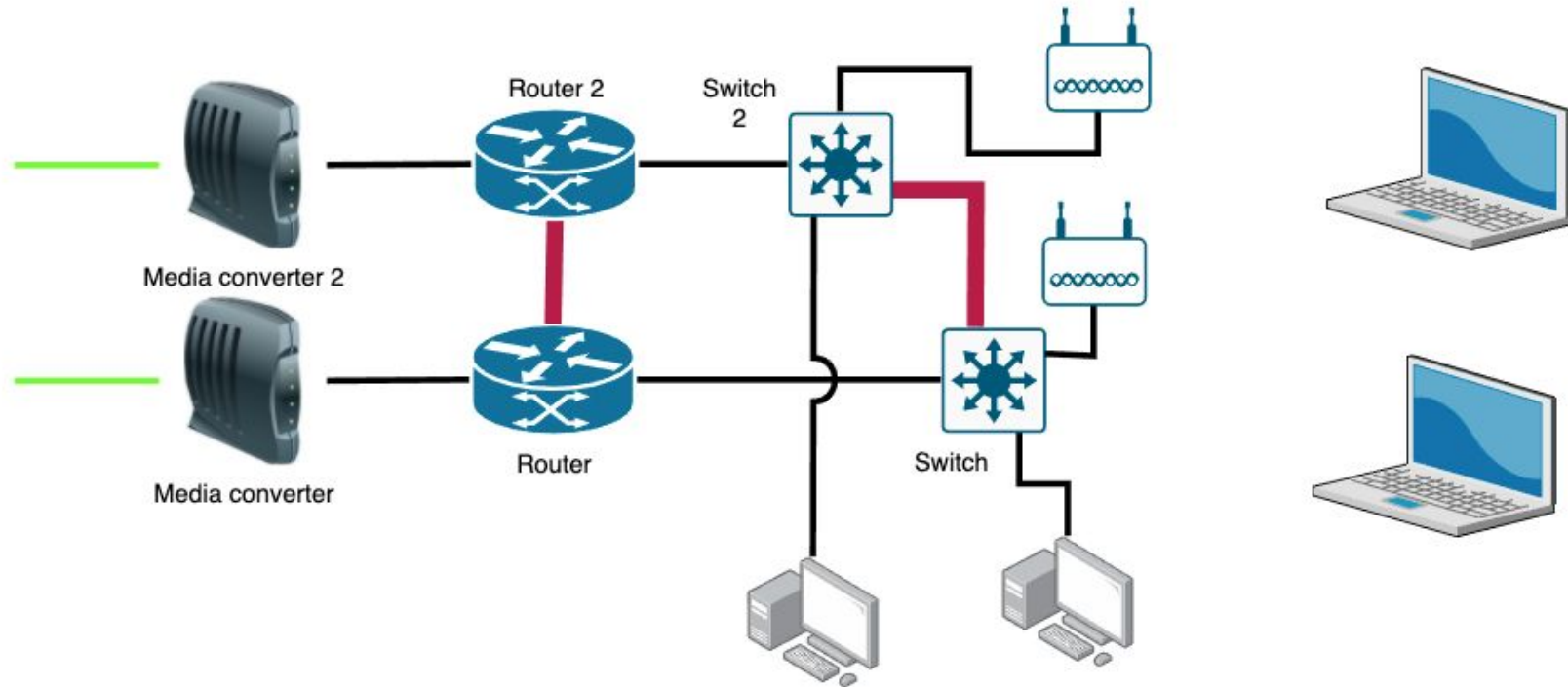
# Spaghetti...



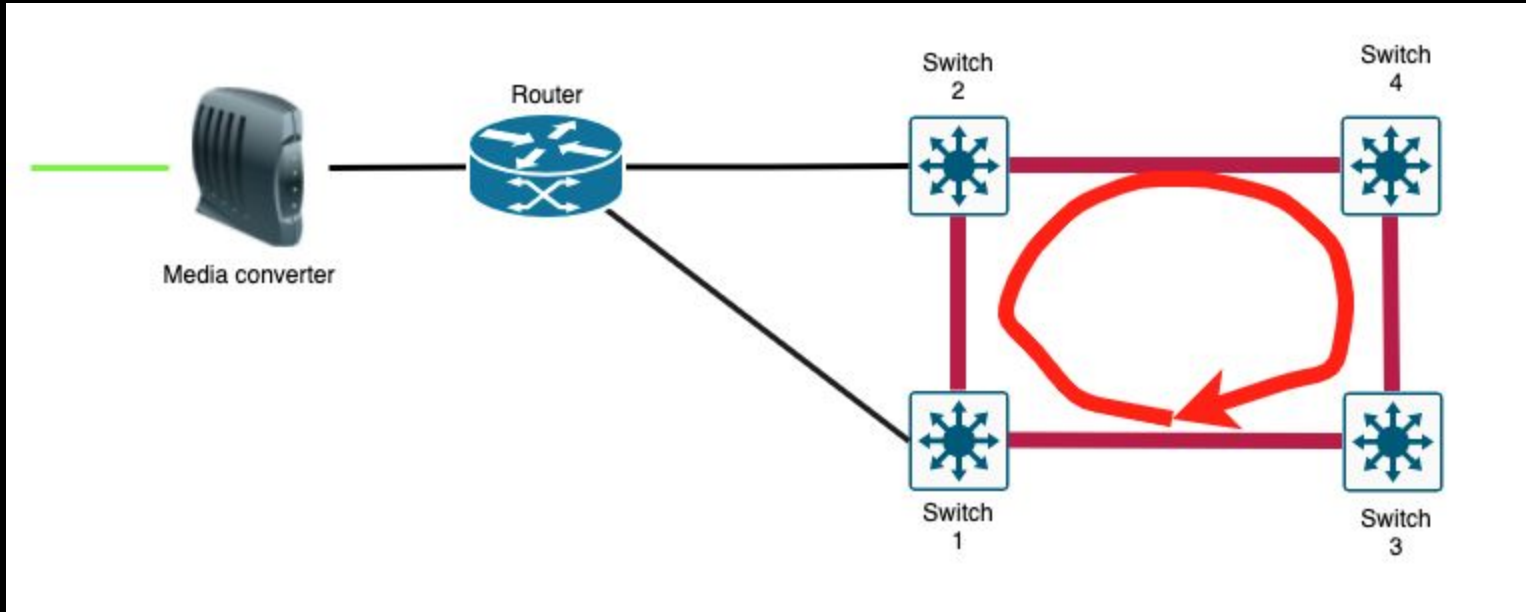
# Almost...



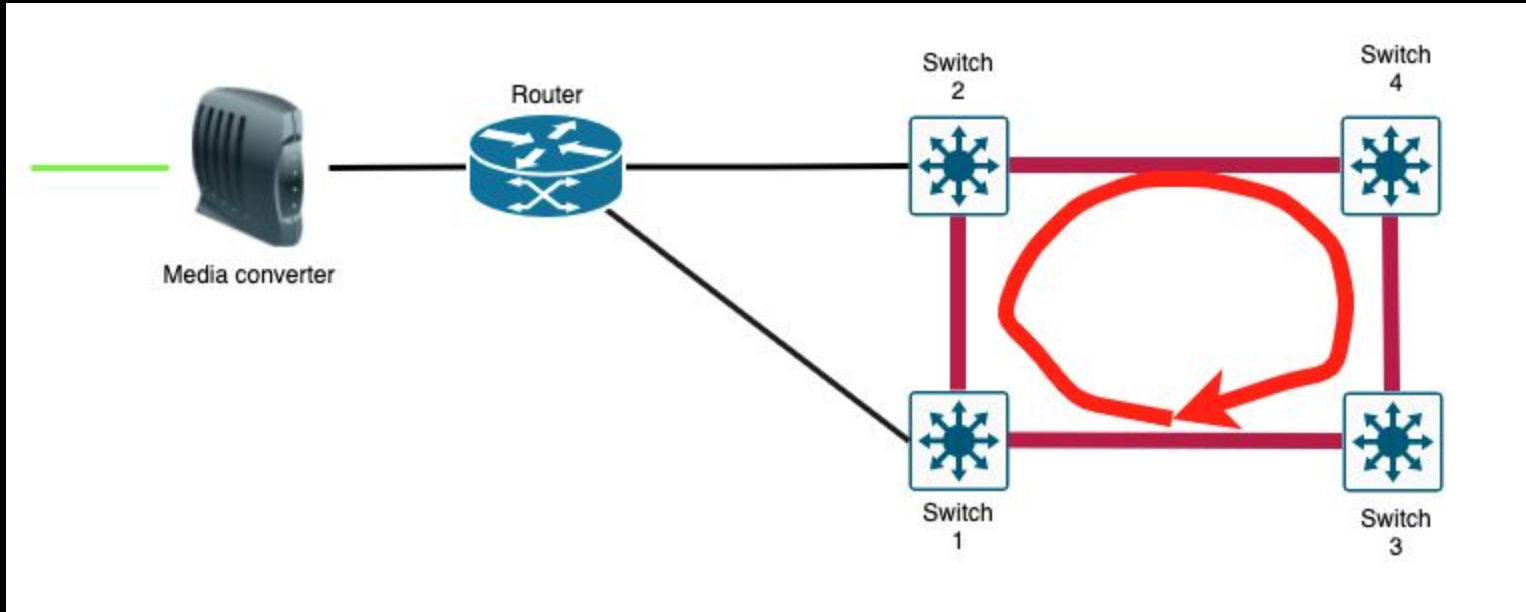
# Perfect...



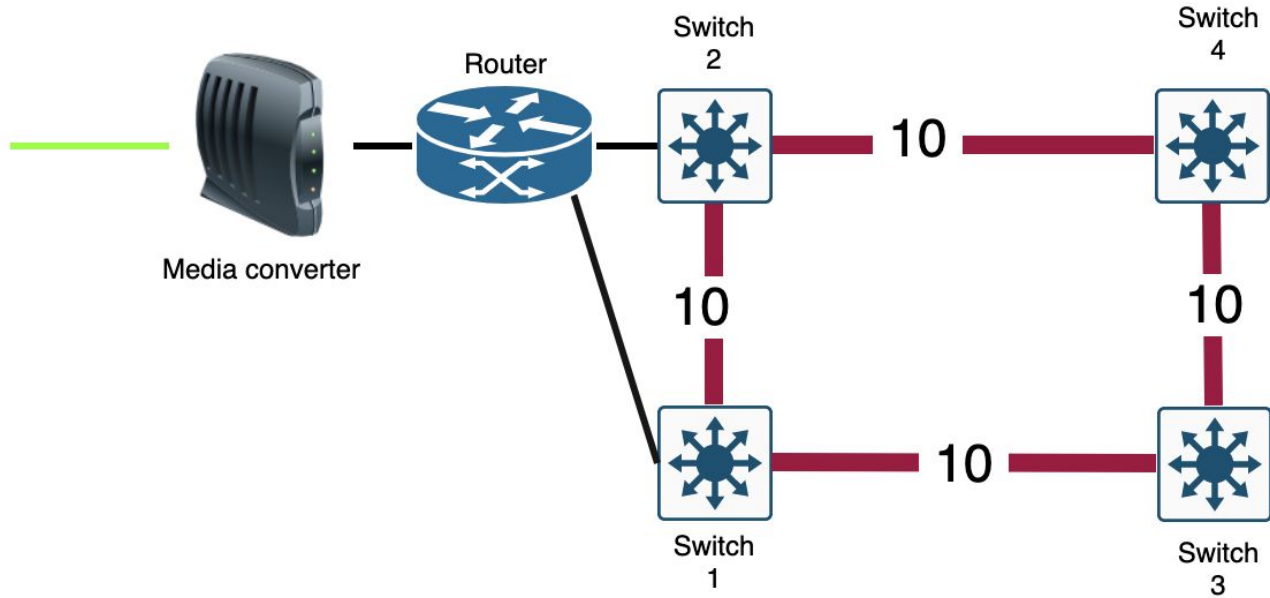
# STP...



# STP...

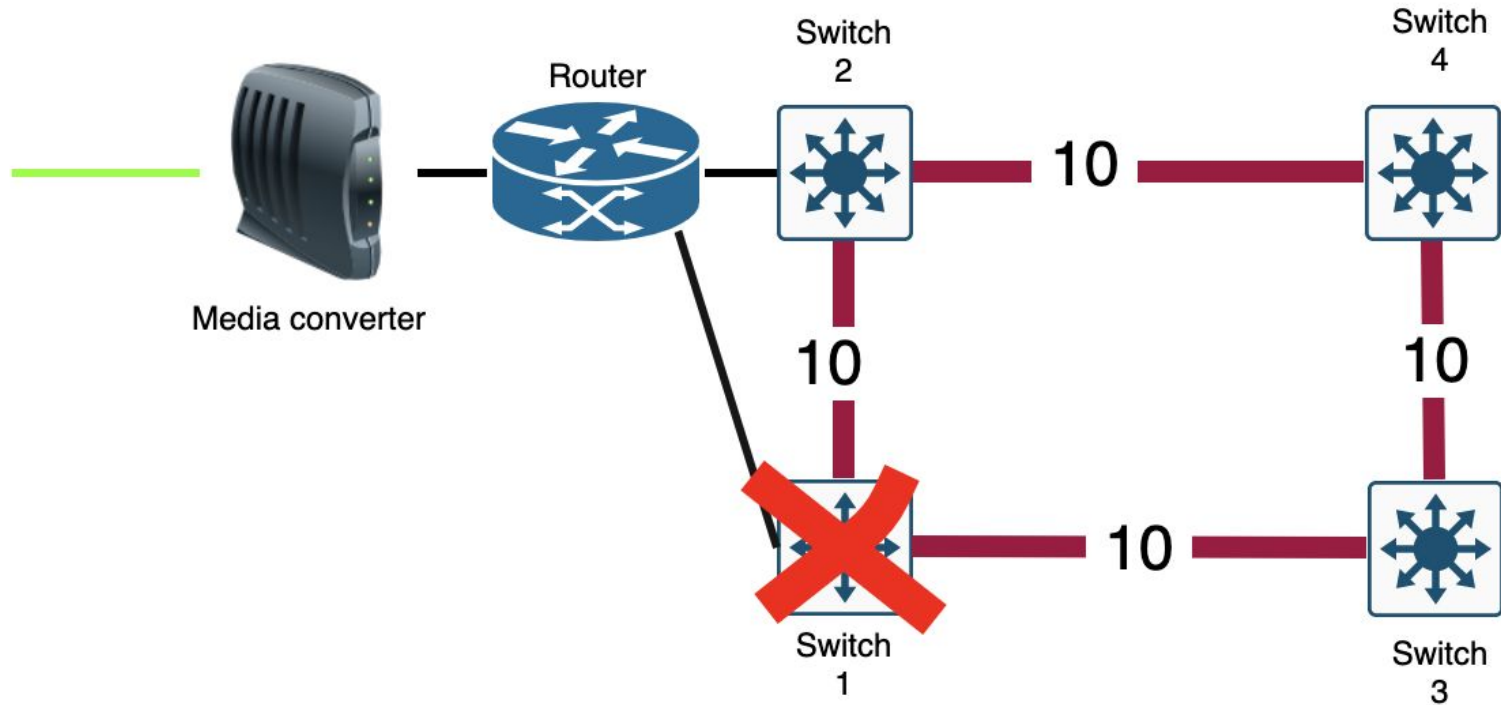


# Line weight...

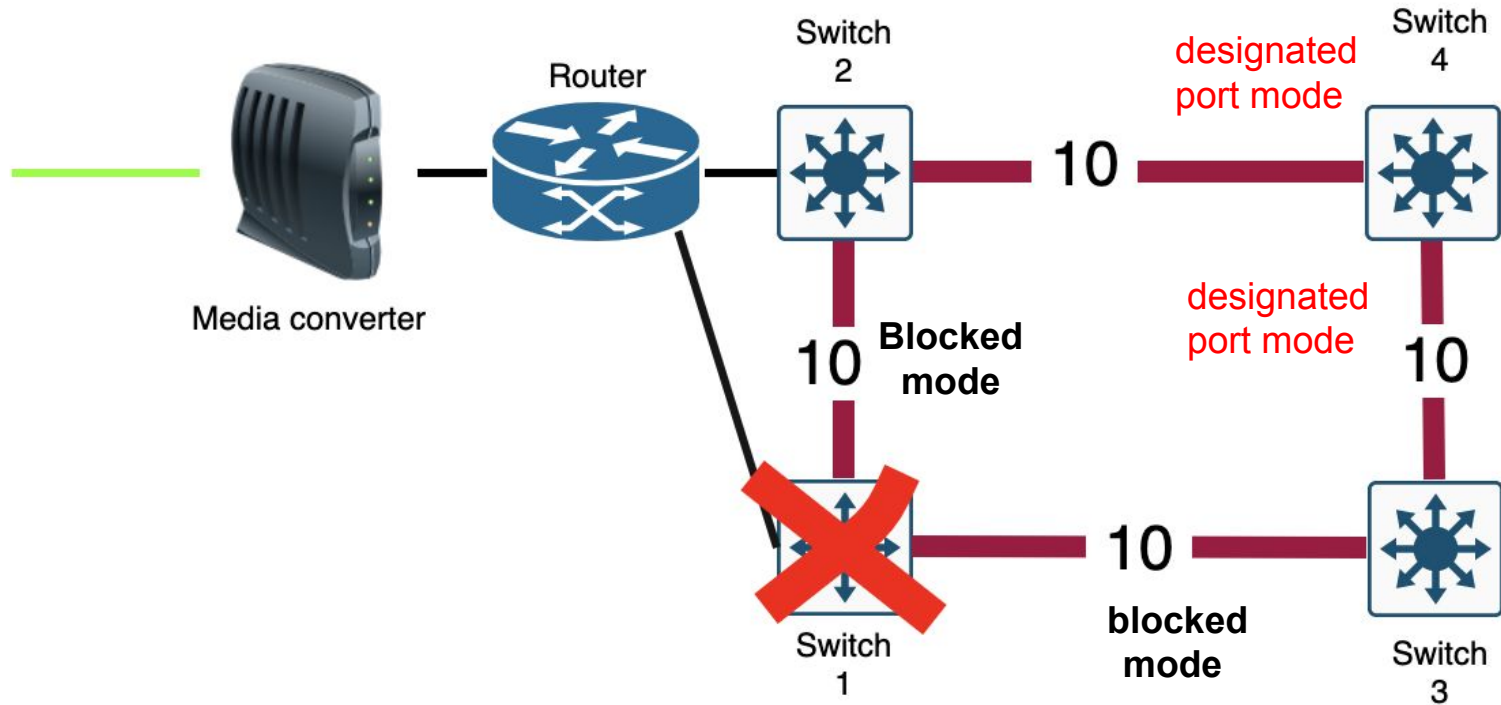




# Elections...



# Elections...



**Boom**  
**Happy networking**