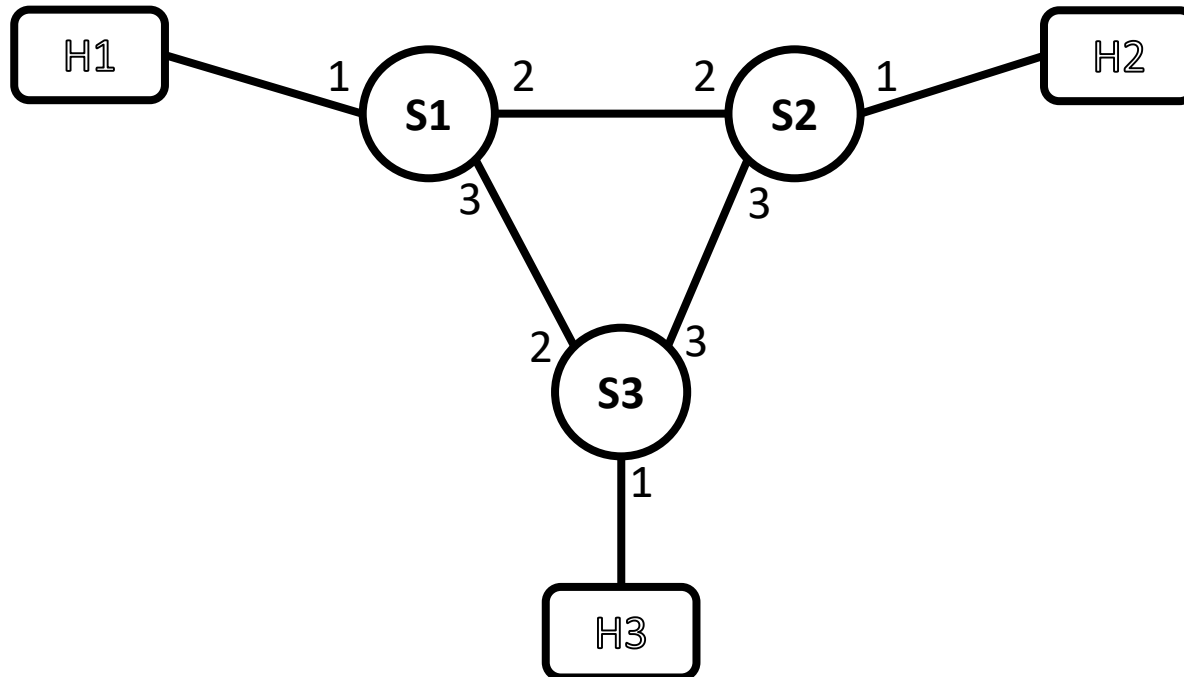


Lab2: P4 + BMv2

Installation

- Download VM image from
 - <https://drive.google.com/uc?id=1lYF4NgFkYoRqtskdGTMxy3sXUV0jkMxo&export=download>
- Launch the VM
- Copy the latest exercise
 - `git clone https://github.com/p4lang/tutorials`

Topology for Source Routing Exercise



Homework 2

- Modify P4 codes for source routing exercise
- Use the “port” field in header “srcRoute_t” as a label for label routing
- Modify the parser
- Define to actions
 - label_output: match the label and forward the packet to the port
 - pop_label_output: remove header “srcRoute_t” and output to the port

Homework 2

- Create a table for label routing
- Modify rules to forward the label “1” to h2
- Run receive.py in h2
- Run sender.py in h1
- Handin:
 - P4 codes: source_routing.p4
 - Print the screen to show h2 receive data successfully
- Deadline: Dec. 3 2020

Homework 2

