Introduction

In this session, we will explore routing options in **NS-3**. To do so, we will work with two files:
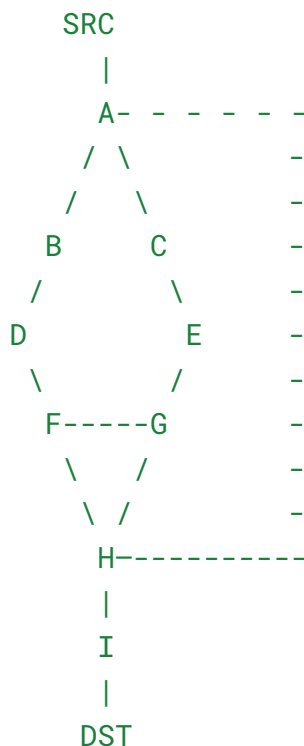
1. `examples/routing/simple-global-routing.cc`
2. `examples/routing/rip-simple-network.cc`

Task 1

Copy each file to the `scratch` directory. Run them step by step. In the end, you must submit a report of what you learned.

Check the generated `.tr` and `.pcap` files. Include them in your report.

Task 2

```
    SRC
     |
     A- - - - - -
    / \         -
   /   \        -
  B     C       -
 /       \      -
D         E     -
 \       /      -
  F-----G       -
   \   /        -
    \ /         -
     H----------
     |
     I
     |
    DST
```

All links cost **1**, except for the **direct link** between **A and H**, which has a cost of **10**.

Instructions:

1. **Modify the topology** in the `rip-simple-network.cc` file according to the above structure
2. Repeat **Task 1** using this updated topology.

Deadline

4:45 PM

Marking Scheme:

- **Completion**: 100
- **Sincere Attempt**: 100
- **Otherwise**: 0