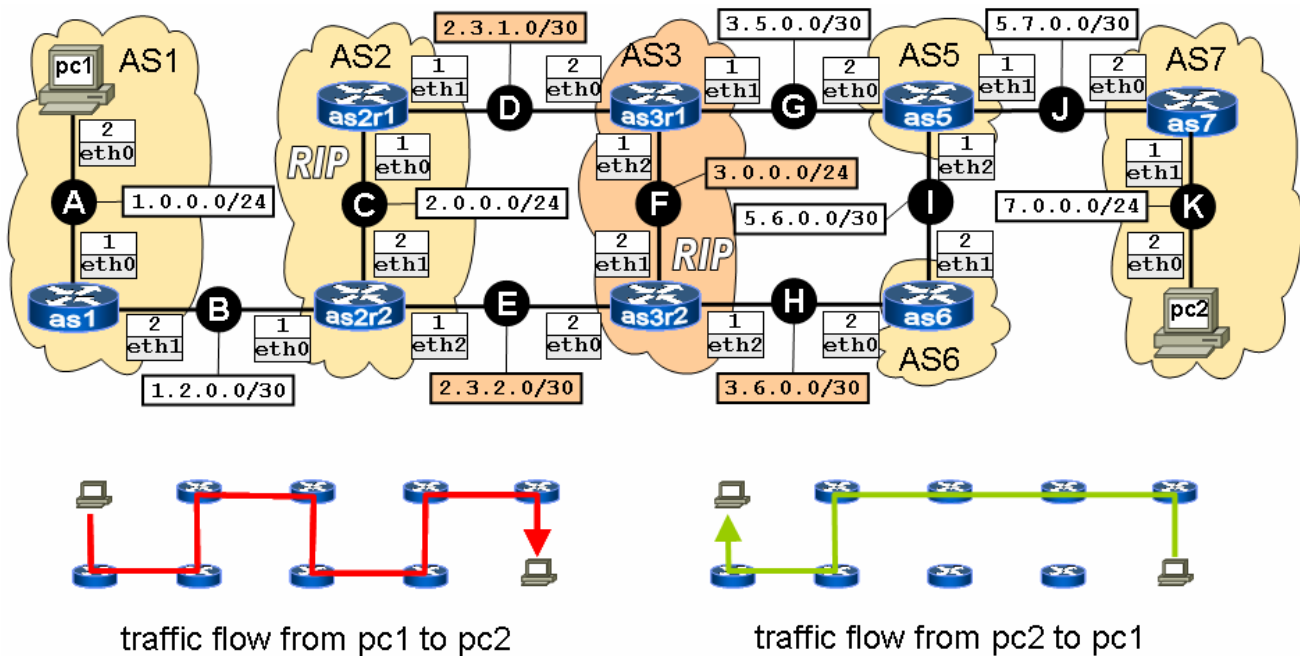


**IRC – Prova intermedia del 10-01-2020 – “ZIG MODIFICATO”**

**Regole del gioco:** 1) Indicare su questo foglio cognome, nome e numero di matricola e il PC usato. 2) Si può accedere a tutto il materiale del corso. 3) Non si può interagire in alcun modo con altri. Se ciò dovesse avvenire sarebbe considerato un fatto gravissimo.



Using Kathará, implement the network depicted in the above figure and described below.

- ☐ **pc1** and **pc2** have default gateway **1.0.0.1** and **7.0.0.1**, respectively
- ☐ All ASes with more than one router run **RIPv2** in all the internal interfaces redistributing all connected LANs (it is not needed to redistribute BGP).
- ☐ All ASes with more than one border router have **iBGP** peerings between them.
- ☐ All ASes announce in BGP the **/30** networks they are adjacent to and their internal networks (if any).
- ☐ The traffic flows represented by the two small pictures are realized as follows:
  - **as3r2** prefers **7.0.0.0/24** from link **H**; **AS2** prefers **7.0.0.0/24** from link **D**.
  - **AS2** prefers to receive traffic to prefix **1.0.0.0/24** from **AS3** through link **D**.

**Goals:**

- The routing towards **7.0.0.0/24** and **1.0.0.0/24** follows the arrows in the small pictures above by means of the implemented BGP policies.

**Submitting procedure:**

- Follow the instructions on the submission system available at <http://esame.inf.uniroma3.it/>