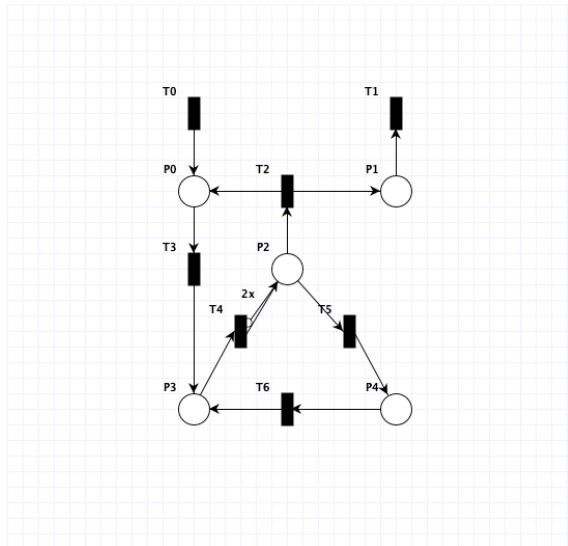


## Exercise 1

**To do:** Extend the net, to limit the number of tokens in the place  $P_2$  to 2. The rest of the net's behavior must not change.



## Exercise 2

**To do:** This net models transition of messages between two users.

$P_2 \rightarrow T_4 \rightarrow P_6$  – Lost message

$P_5 \rightarrow T_1$  (inhibitor arc) – Blocks next message to send to receiver if previous one is not accepted

$P_5 \leftrightarrow T_5$  (send failed message again and keep the copy till it received by  $T_2$ )

