Tehnici de baza in activitatea stiintifica
Techniques for Scientific Work (WS 2015-2016)
Homework 2 (due November 11, 2015)

1. Which are the basic proof techniques as presented in
   `http://web-ng.info.uvt.ro/~tudor/Buchberger-Logic-for-Computer-Science.pdf`?

2. Prove the following:

   (a) $((P \Rightarrow Q) \;\wedge\; (Q \Rightarrow R)) \;\Longleftrightarrow\; ((P \vee Q) \Rightarrow R)$

   (b) $\left(\left(\underset{x}{\exists} P[x] \right) \Rightarrow Q \right) \;\Rightarrow\; \underset{x}{\forall}(P[x] \Rightarrow Q)$