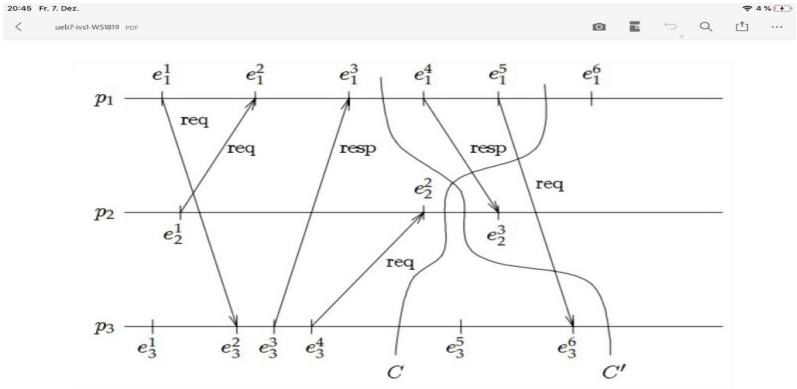
Exercise 4

Freitag, 7. Dezember 2018 20:45



Frontier:

$C: e_1^5\ e_2^2\ e_3^4$

$C': e_1^3\ e_2^2\ e_3^6$

Definition of consistency:

$e \in C$ and $e' \to e \Rightarrow e' \in C$

C' is inconsistent:

$e_1^5 \to e_3^6$ but $e_3^6 \notin C'$

C is consistent

$e \in C$ and $e' \to e \Rightarrow e' \in C$

for every e, e' in the given System

Inconsistent Cuts

$C = (h_1^{e^3}, h_2^{e^1}, h_3^{e^2})$

$C = (h_1^{e^3}, h_2^{e^3}, h_3^{e^5})$

Consistent Cuts

$C = (h_1^{e^2}, h_2^{e^1}, h_3^{e^1})$

$C = (h_1^{e^3}, h_2^{e^1}, h_3^{e^3})$