Logic 1, WS 2008. Homework 9, given Jan 8, due Jan 15.

1. Prove using refutation, normal forms, and resolution that

$$\forall_x(\exists_y(S[y] \wedge V[x,y]) \Rightarrow (\exists_z(C[z] \wedge V[x,z])))$$

is a logical consequence of

$$\forall_y(S[y] \Rightarrow C[y]).$$

2. Apply the unification algorithm to: $Q[x,y,z]$ and $Q[u,h[v,v],u]$.