COMP2411 Assignment 6 Questions

Solutions are to be submitted by Fri June 9. Solutions must be handwritten, printouts are not acceptable. You are reminded of the rules concerning collaboration and plagiarism on the Course outline.

This assignment is worth 4% of your final mark.

Prove correctness of the following argument using natural deduction.

\[
\forall X \exists Y (r(X,Y)) \\
\forall Y \exists Z (s(Y,f(Z))) \\
\forall X \forall Y \forall Z ((r(X,Y) \land s(Y,Z)) \rightarrow t(X,Z)) \\
\forall X \exists Y (t(X,f(Y)))
\]