# Exercises for the Resolution part of 'L&C'

**Exercise R1:**
Find <u>all</u> Robinson-resolvents of $C = p(x, f(x)) \lor p(a, y)$ and
$D = \neg p(x, y) \lor \neg p(a, f(x)) \lor \neg p(f(x), f(y))$.
Specify all used renamings, mgus and (implicit) factors.

**Exercise R2:**
Prove that subsumed Robinson-resolvents can be discarded without
sacrificing refutational completeness.

**Exercise R3:**
Describe another resolution refinement (other than ordered resolu-
tion) in detail. (You don't have to give a completeness proof).