Exercise 7.2. Resolution Proposition We denote the propositional clauses as follows and indexing of the literals: C1= (1) PV(2) 1, C2=(3) QV(4) 1, C3=(5) 7 PV (6) 7 1; C4=(4) 7 QV 7 1 we use the level saturation strategy: S° = S = 3 C1, C2, C3, C43 S'= { Res (Ci, Ci) (Ci, Cj & S°3 C == Resp lock (C1, C3) = (2) 7 12 S'= 2 C53; S2= { Resleck (Ci,Cj) | Ci & S', Cj & S', Cj & S' \S' 52=0 No selock revolvents can be generated, the empty clause annot be derived from 5 and we conclude that the set is consistent.