**Tema LC**

A picture containing text

Description automatically generated

1. {(5)p ∨ (1)q, (3)p ∨ (2)¬q ∨ (7)r, (8)p ∨ (6)¬q ∨ (4)¬r, (11)¬p ∨ (12)r, (9)¬p ∨ (10)¬r}

C1 = (1)q ∨ (5)p

C2 = (2)¬q ∨ (3)p ∨ (7)r

C3 = (4)¬r ∨ (6)¬q ∨ (8)p

C4 = (11)¬p ∨ (12)r

C5 = (9)¬p ∨ (10)¬r

C6 = Resq(C1,C2) = (3)p ∨ (7)r

C7 = Resp(C6,C4) = (7)r

C8 = Resr(C7,C3) = (6)¬q ∨ (8)p

C9 = Resq(C8,C1) = (5)p

C10 = Resp(C9,C5) = (10)¬r

C11 = Resr(C7,C10) =

= > inconsistenta

2. {(3)p ∨ (1)q, (7)p ∨ (9)¬q ∨ (2)r, (8)p ∨ (4)¬q ∨ (12)¬r, (6)¬p ∨ (10)r, (11)¬p ∨ (5)¬r}

C1 = (1)q ∨ (3)p

C2 = (2)r ∨ (7)p ∨ (9) ¬q

C3 = (4)¬q ∨ (8)p ∨ (12)¬r

C4 = (6)¬p ∨ (10)r

C5 = (5)¬r ∨ (11)¬p

C6 = Resq(C1,C3) = (3)p ∨ (12)¬r

C7 = Resp(C6,C4) = (10)r ∨ (12)¬r

C8 = Resr(C7,C5) = (11)¬p ∨ (12)¬r

C9 = Resp(C8,C6) = (12)¬r

C10 = Resr(C9,C2) = (7)p ∨ (9) ¬q

C11 = Resp(C10,C4) = (9)¬q ∨ (10)r

C12 = Resq(C11,C1) = (3)p ∨ (10)r

C13 = Resp(C12,C4) = (10)r

C14 = Resr(C9,C13) =

= > inconsistenta