9.2.15 Demonstrati inconsistenta urmatoarelor multimi de clauze utilizand rezolutia blocarii. Utilizati doua indexari diferite pentru literalii din clauze.

S={(2)¬p(x)∨ (1)q(x), (3)p(a), (5)¬ q(x) ∨(4)¬ r(x), (8)r(y)∨ (7)w(y)}

C1=(1)¬p(x) ∨ (2)q(x)

C2= (3)p(a)

C3= (5)¬ r(x) ∨ (4)¬ q(x)

C4= (6)¬ w(a)

C5=(8)w(y) ∨ (7)r(y)

C6 = Resθ(C1,C2) = (1)q(a)

θ=[x a]

C7 = Resq (C6,C3) = (5)¬ r(a)

θ=[x a]

C8 = Resλ (C7, C5)= (8)w(a)

λ = [y a]

C9 = Resa (C8,C4) =

=>inconsistenta(conf TCC)

C1= (1)¬p(x)∨ (4)q(x)

C2= (2)p(a)

C3= (3)¬ q(x) ∨(6)¬ r(x)

C4= (5)¬ w(a),

C5= (8)w(y) ∨ (7)r(y)

C6 = Resθ(C1,C2) = (4)q(a)

θ=[x a]

C7 = Resq (C6,C3) = (6)¬ r(a)

θ=[x a]

C8 = Resλ (C7, C5)= (8)w(a)

λ = [y a]

C9 = Resa (C8,C4) =

=>inconsistenta(conf TCC)