UNIT(P(a,b), S4’)

M={¬P(a,a), P(a,b)}

UNSAT(S6’)

UNSAT(S5’)

S3’ = {{¬P(b,a), P(a,a)}, {¬P(b,b), P(a,b)}, {P(a,a), P(b,a)},

{P(a,b), P(b,b)}, {¬P(a,b), ¬P(a,a)}, {¬P(a,b), ¬P(b,b)}}

TAUT({¬P(a,b), P(a,b)}, S2’)

S2’ = {{¬P(a,b), P(a,b)}, {¬P(b,a), P(a,a)}, {¬P(b,b), P(a,b)},

{P(a,a), P(b,a)}, {P(a,b), P(b,b)},{¬P(a,b),¬P(a,a)},

{¬P(a,b), ¬P(b,b)}}

TAUT({¬P(a,a), P(a,a)}, S1’)

S6’ = {{}}

UNIT(P(b,b), S4’)

M={P(a,a), ¬P(a,b), P(b,b)}

S5’ = {{}, {¬P(b,b), P(a,b)}, {P(a,b), P(b,b)},

{¬P(a,b), ¬P(b,b)}}

S5’ = {{¬P(b,b)}, {P(b,b)}}

UNIT(¬P(a,b), S4’)

M={P(a,a), ¬P(a,b)}

SPLIT(¬P(a,a), S3’)

M={¬P(a,a)}

SPLIT(P(a,a), S3’)

M={P(a,a)}

S4’ = {{¬P(b,a)}, {¬P(b,b), P(a,b)}, {P(b,a)},

{P(a,b), P(b,b)}, {¬P(a,b), ¬P(b,b)}}

S4’ = {{¬P(b,b), P(a,b)}, {P(a,b), P(b,b)},

{¬P(a,b)}, {¬P(a,b), ¬P(b,b)}}

S1’ = {{¬P(a,a), P(a,a)}, {¬P(a,b), P(a,b)}, {¬P(b,a), P(a,a)},

{¬P(b,b), P(a,b)}, {P(a,a), P(b,a)}, {P(a,b), P(b,b)},

{¬P(a,b), ¬P(a,a)}, {¬P(a,b), ¬P(b,b)}}