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| Clause# | Clause | Derivation/Source |
| 1 | ¬American(x) ∨ ¬Weapon(y) ∨ ¬Sells(x,y,z) ∨ ¬Hostile(z) ∨ Criminal(x) | Knowledge Base = KB |
| 2 | ¬Criminal(West) | Query |
| 3 | ¬American(West) ∨ ¬Weapon(y) ∨ ¬Sells(West,y,z) ∨ ¬Hostile(z) | Line 1: replace x by West.Resolve with line 2. |
| 4 | American(West) | KB |
| 5 | ¬Weapon(y) ∨ ¬Sells(West,y,z) ∨ ¬Hostile(z) | Resolve line 3 with line 4. |
| 6 | ¬Missile(x) ∨ Weapon(x) | KB |
| 7 | ¬Missile(y) ∨¬Sells(West,y,z) ∨ ¬Hostile(z) | Line 6: replace x by y. Resolve with line 5. |
| 8 | Missile(M1) | KB |
| 9 | ¬Sells(West,M1,z) ∨ ¬Hostile(z) | Line 7: replace y by M1.Resolve with line 8. |
| 10 | ¬Missile(x) ∨¬Owns(Nono,x) ∨Sells(West,x,Nono) | KB |
| 11 | ¬Missile(M1) ∨¬Owns(Nono,M1) ∨ ¬Hostile(Nono) | Line 9: replace z by Nono.Line 10: replace x by M1.Resolve with each other. |
| 12 | ¬Owns(Nono,M1) ∨ ¬Hostile(Nono) | Resolve line 10 with line 11. |
| 13 | Owns(Nono,M1) | KB |
| 14 | ¬Hostile(Nono) | Resolve line 12 with line 13. |
| 15 | ¬Enemy(x,America) ∨Hostile(x) | KB |
| 16 | ¬Enemy(Nono,America) | Line 15: replace x by Nono.Resolve with line 14. |
| 17 | Enemy(Nono,America) | KB |
| 18 | [empty clause] | Resolve line 16 with line 17. |

Notice that all clauses are Horn Clauses (at most one positive literal).