Guía de ejercicios Tablas de Verdad

1. NOT (V OR F XOR F OR V OR V OR V XOR F)

NOT (V OR F XOR F OR V OR V OR V XOR F)

NOT (V XOR F OR V OR V OR V XOR F)

NOT (V OR V OR V OR V XOR F)

NOT (V OR V OR V XOR F)

NOT (V OR V XOR F)

NOT (V XOR F)

NOT (V)

F

2. F AND F AND F AND F AND NOT(F AND F AND F AND F AND F AND F AND F)

F AND F AND F AND F AND NOT(F AND F AND F AND F AND F AND F AND F)

F AND F AND F AND F AND NOT(F AND F AND F AND F AND F AND F)

F AND F AND F AND F AND NOT(F AND F AND F AND F AND F)

F AND F AND F AND F AND NOT(F AND F AND F AND F)

F AND F AND F AND F AND NOT(F AND F AND F)

F AND F AND F AND F AND NOT(F AND F)

F AND F AND F AND F AND NOT(F)

F AND F AND F AND F AND V

F AND F AND F AND V

F AND F AND V

F AND V

F

3. NOT(F AND F AND V AND V AND NOT(F AND V AND F) AND V AND NOT(V AND F AND F))

NOT(F AND F AND V AND V AND NOT(F AND V AND F) AND V AND NOT(V AND F AND F))

NOT(F AND F AND V AND V AND NOT(F AND F) AND V AND NOT(V AND F AND F))

NOT(F AND F AND V AND V AND NOT(F) AND V AND NOT(V AND F AND F))

NOT(F AND F AND V AND V AND V AND V AND NOT(V AND F AND F))

NOT(F AND F AND V AND V AND V AND V AND NOT(F AND F))

NOT(F AND F AND V AND V AND V AND V AND NOT(F))

NOT(F AND F AND V AND V AND V AND V AND V)

NOT(F AND V AND V AND V AND V AND V)

NOT(F AND V AND V AND V AND V)

NOT(F AND V AND V AND V)

NOT(F AND V AND V)

NOT(F AND V)

NOT(F)

V

4. NOT(NOT(F AND V XOR F) AND V XOR F OR V) AND F XOR V AND F

NOT(NOT(F AND V XOR F) AND V XOR F OR V) AND F XOR V AND F

NOT(NOT(F XOR F) AND V XOR F OR V) AND F XOR V AND F

NOT(NOT(F) AND V XOR F OR V) AND F XOR V AND F

NOT(V AND V XOR F OR V) AND F XOR V AND F

NOT(V XOR F OR V) AND F XOR V AND F

NOT(V OR V) AND F XOR V AND F

NOT(V) AND F XOR V AND F

F AND F XOR V AND F

F XOR V AND F

F XOR F

F

5. NOT(NOT(F XOR V XOR V XOR F XOR V XOR F XOR V XOR F AND V AND F AND V AND F))

NOT(NOT(F XOR V XOR V XOR F XOR V XOR F XOR V XOR F AND V AND F AND V AND F))

NOT(NOT(F XOR V XOR V XOR F XOR V XOR F XOR V XOR F AND F AND V AND F))

NOT(NOT(F XOR V XOR V XOR F XOR V XOR F XOR V XOR F AND V AND F))

NOT(NOT(F XOR V XOR V XOR F XOR V XOR F XOR V XOR F AND F))

NOT(NOT(F XOR V XOR V XOR F XOR V XOR F XOR V XOR F))

NOT(NOT(V XOR V XOR F XOR V XOR F XOR V XOR F))

NOT(NOT(F XOR F XOR V XOR F XOR V XOR F))

NOT(NOT(F XOR V XOR F XOR V XOR F))

NOT(NOT(V XOR F XOR V XOR F))

NOT(NOT(V XOR V XOR F))

NOT(NOT(F XOR F))

NOT(NOT(F))

NOT(V)

F

6. V AND F XOR V OR NOT(NOT(F AND V AND F AND V AND NOT(NOT(V AND V AND V)) AND V AND F OR V AND F) AND V)

V AND F XOR V OR NOT(NOT(F AND V AND F AND V AND NOT(NOT(V AND V AND V)) AND V AND F OR V AND F) AND V)

V AND F XOR V OR NOT(NOT(F AND V AND F AND V AND NOT(NOT(V AND V)) AND V AND F OR V AND F) AND V)

V AND F XOR V OR NOT(NOT(F AND V AND F AND V AND NOT(NOT(V)) AND V AND F OR V AND F) AND V)

V AND F XOR V OR NOT(NOT(F AND V AND F AND V AND NOT(F) AND V AND F OR V AND F) AND V)

V AND F XOR V OR NOT(NOT(F AND V AND F AND V AND V AND V AND F OR V AND F) AND V)

V AND F XOR V OR NOT(NOT(F AND F AND V AND V AND V AND F OR V AND F) AND V)

V AND F XOR V OR NOT(NOT(F AND V AND V AND V AND F OR V AND F) AND V)

V AND F XOR V OR NOT(NOT(F AND V AND V AND F OR V AND F) AND V)

V AND F XOR V OR NOT(NOT(F AND V AND F OR V AND F) AND V)

V AND F XOR V OR NOT(NOT(F AND F OR V AND F) AND V)

V AND F XOR V OR NOT(NOT(F OR V AND F) AND V)

V AND F XOR V OR NOT(NOT(F OR F) AND V)

V AND F XOR V OR NOT(NOT(F) AND V)

V AND F XOR V OR NOT(V AND V)

V AND F XOR V OR NOT(V)

V AND F XOR V OR F

F XOR V OR F

V OR F

V

7. V AND NOT(V AND F OR V AND F) OR NOT(F XOR V OR F AND V OR F) XOR NOT(F AND V OR F) OR NOT(F OR V OR F XOR V) AND V AND F OR NOT(V AND F AND V AND F)

V AND NOT(V AND F OR V AND F) OR NOT(F XOR V OR F AND V OR F) XOR NOT(F AND V OR F) OR NOT(F OR V OR F XOR V) AND V AND F OR NOT(V AND F AND V AND F)

V AND NOT(F OR V AND F) OR NOT(F XOR V OR F AND V OR F) XOR NOT(F AND V OR F) OR NOT(F OR V OR F XOR V) AND V AND F OR NOT(V AND F AND V AND F)

V AND NOT(F OR F) OR NOT(F XOR V OR F AND V OR F) XOR NOT(F AND V OR F) OR NOT(F OR V OR F XOR V) AND V AND F OR NOT(V AND F AND V AND F)

V AND NOT(F) OR NOT(F XOR V OR F AND V OR F) XOR NOT(F AND V OR F) OR NOT(F OR V OR F XOR V) AND V AND F OR NOT(V AND F AND V AND F)

V AND V OR NOT(F XOR V OR F AND V OR F) XOR NOT(F AND V OR F) OR NOT(F OR V OR F XOR V) AND V AND F OR NOT(V AND F AND V AND F)

V AND V OR NOT(F XOR V OR F OR F) XOR NOT(F AND V OR F) OR NOT(F OR V OR F XOR V) AND V AND F OR NOT(V AND F AND V AND F)

V AND V OR NOT(V OR F OR F) XOR NOT(F AND V OR F) OR NOT(F OR V OR F XOR V) AND V AND F OR NOT(V AND F AND V AND F)

V AND V OR NOT(V OR F) XOR NOT(F AND V OR F) OR NOT(F OR V OR F XOR V) AND V AND F OR NOT(V AND F AND V AND F)

V AND V OR NOT(V) XOR NOT(F AND V OR F) OR NOT(F OR V OR F XOR V) AND V AND F OR NOT(V AND F AND V AND F)

V AND V OR F XOR NOT(F AND V OR F) OR NOT(F OR V OR F XOR V) AND V AND F OR NOT(V AND F AND V AND F)

V AND V OR F XOR NOT(F OR F) OR NOT(F OR V OR F XOR V) AND V AND F OR NOT(V AND F AND V AND F)

V AND V OR F XOR NOT(F) OR NOT(F OR V OR F XOR V) AND V AND F OR NOT(V AND F AND V AND F)

V AND V OR F XOR V OR NOT(F OR V OR F XOR V) AND V AND F OR NOT(V AND F AND V AND F)

V AND V OR F XOR V OR NOT(V OR F XOR V) AND V AND F OR NOT(V AND F AND V AND F)

V AND V OR F XOR V OR NOT(V XOR V) AND V AND F OR NOT(V AND F AND V AND F)

V AND V OR F XOR V OR NOT(F) AND V AND F OR NOT(V AND F AND V AND F)

V AND V OR F XOR V OR V AND V AND F OR NOT(V AND F AND V AND F)

V AND V OR F XOR V OR V AND V AND F OR NOT(F AND V AND F)

V AND V OR F XOR V OR V AND V AND F OR NOT(F AND F)

V AND V OR F XOR V OR V AND V AND F OR NOT(F)

V AND V OR F XOR V OR V AND V AND F OR V

V OR F XOR V OR V AND V AND F OR V

V OR F XOR V OR V AND F OR V

V OR F XOR V OR F OR V

V XOR V OR F OR V

F OR F OR V

F OR V

V

8. NOT(NOT(V OR F OR V AND V XOR V) AND F AND V AND F OR NOT(NOT(V OR F OR V AND V XOR V AND F AND V XOR F)) OR NOT(V OR F OR V AND V XOR V AND F AND V XOR F))

NOT(NOT(V OR F OR V AND V XOR V) AND F AND V AND F OR NOT(NOT(V OR F OR V AND V XOR V AND F AND V XOR F)) OR NOT(V OR F OR V AND V XOR V AND F AND V XOR F))

NOT(NOT(V OR F OR V AND V XOR V) AND F AND V AND F OR NOT(NOT(V OR F OR V XOR V AND F AND V XOR F)) OR NOT(V OR F OR V AND V XOR V AND F AND V XOR F))

NOT(NOT(V OR F OR V AND V XOR V) AND F AND V AND F OR NOT(NOT(V OR F OR V XOR F AND V XOR F)) OR NOT(V OR F OR V AND V XOR V AND F AND V XOR F))

NOT(NOT(V OR F OR V AND V XOR V) AND F AND V AND F OR NOT(NOT(V OR F OR V XOR F XOR F)) OR NOT(V OR F OR V AND V XOR V AND F AND V XOR F))

NOT(NOT(V OR F OR V AND V XOR V) AND F AND V AND F OR NOT(NOT(V OR V XOR F XOR F)) OR NOT(V OR F OR V AND V XOR V AND F AND V XOR F))

NOT(NOT(V OR F OR V AND V XOR V) AND F AND V AND F OR NOT(NOT(V XOR F XOR F)) OR NOT(V OR F OR V AND V XOR V AND F AND V XOR F))

NOT(NOT(V OR F OR V AND V XOR V) AND F AND V AND F OR NOT(NOT(V XOR F)) OR NOT(V OR F OR V AND V XOR V AND F AND V XOR F))

NOT(NOT(V OR F OR V AND V XOR V) AND F AND V AND F OR NOT(NOT(V)) OR NOT(V OR F OR V AND V XOR V AND F AND V XOR F))

NOT(NOT(V OR F OR V AND V XOR V) AND F AND V AND F OR NOT(F) OR NOT(V OR F OR V AND V XOR V AND F AND V XOR F))

NOT(NOT(V OR F OR V XOR V) AND F AND V AND F OR NOT(F) OR NOT(V OR F OR V AND V XOR V AND F AND V XOR F))

NOT(NOT(V OR V XOR V) AND F AND V AND F OR NOT(F) OR NOT(V OR F OR V AND V XOR V AND F AND V XOR F))

NOT(NOT(V XOR V) AND F AND V AND F OR NOT(F) OR NOT(V OR F OR V AND V XOR V AND F AND V XOR F))

NOT(NOT(F) AND F AND V AND F OR NOT(F) OR NOT(V OR F OR V AND V XOR V AND F AND V XOR F))

NOT(V AND F AND V AND F OR NOT(F) OR NOT(V OR F OR V AND V XOR V AND F AND V XOR F))

NOT(V AND F AND V AND F OR V OR NOT(V OR F OR V AND V XOR V AND F AND V XOR F))

NOT(V AND F AND V AND F OR V OR NOT(V OR F OR V XOR V AND F AND V XOR F))

NOT(V AND F AND V AND F OR V OR NOT(V OR F OR V XOR F AND V XOR F))

NOT(V AND F AND V AND F OR V OR NOT(V OR F OR V XOR F XOR F))

NOT(V AND F AND V AND F OR V OR NOT(V OR V XOR F XOR F))

NOT(V AND F AND V AND F OR V OR NOT(V XOR F XOR F))

NOT(V AND F AND V AND F OR V OR NOT(V XOR F))

NOT(V AND F AND V AND F OR V OR NOT(V))

NOT(V AND F AND V AND F OR V OR F)

NOT(F AND V AND F OR V OR F)

NOT(F AND F OR V OR F)

NOT(F OR V OR F)

NOT(V OR F)

NOT(V)

F

9. NOT(V AND F AND V AND F OR NOT(V AND F OR V XOR V AND F XOR V OR F) OR NOT(V OR F OR V AND V XOR V AND F AND V XOR F))

NOT(V AND F AND V AND F OR NOT(V AND F OR V XOR V AND F XOR V OR F) OR NOT(V OR F OR V AND V XOR V AND F AND V XOR F))

NOT(V AND F AND V AND F OR NOT(F OR V XOR V AND F XOR V OR F) OR NOT(V OR F OR V AND V XOR V AND F AND V XOR F))

NOT(V AND F AND V AND F OR NOT(F OR V XOR F XOR V OR F) OR NOT(V OR F OR V AND V XOR V AND F AND V XOR F))

NOT(V AND F AND V AND F OR NOT(V XOR F XOR V OR F) OR NOT(V OR F OR V AND V XOR V AND F AND V XOR F))

NOT(V AND F AND V AND F OR NOT(V XOR V OR F) OR NOT(V OR F OR V AND V XOR V AND F AND V XOR F))

NOT(V AND F AND V AND F OR NOT(F OR F) OR NOT(V OR F OR V AND V XOR V AND F AND V XOR F))

NOT(V AND F AND V AND F OR NOT(F) OR NOT(V OR F OR V AND V XOR V AND F AND V XOR F))

NOT(V AND F AND V AND F OR V OR NOT(V OR F OR V AND V XOR V AND F AND V XOR F))

NOT(V AND F AND V AND F OR V OR NOT(V OR F OR V XOR V AND F AND V XOR F))

NOT(V AND F AND V AND F OR V OR NOT(V OR F OR V XOR F AND V XOR F))

NOT(V AND F AND V AND F OR V OR NOT(V OR F OR V XOR F XOR F))

NOT(V AND F AND V AND F OR V OR NOT(V OR V XOR F XOR F))

NOT(V AND F AND V AND F OR V OR NOT(V XOR F XOR F))

NOT(V AND F AND V AND F OR V OR NOT(V XOR F))

NOT(V AND F AND V AND F OR V OR NOT(V))

NOT(V AND F AND V AND F OR V OR F)

NOT(F AND V AND F OR V OR F)

NOT(F AND F OR V OR F)

NOT(F OR V OR F)

NOT(V OR F)

NOT(V)

F

10. NOT(NOT(NOT(NOT(V OR F XOR V AND F OR V AND F) OR NOT(V AND F OR V) OR F) AND V AND F) OR NOT(V AND F OR NOT(V AND F OR V XOR F)))

NOT(NOT(NOT(NOT(V OR F XOR V AND F OR V AND F) OR NOT(V AND F OR V) OR F) AND V AND F) OR NOT(V AND F OR NOT(V AND F OR V XOR F)))

NOT(NOT(NOT(NOT(V OR F XOR F OR V AND F) OR NOT(V AND F OR V) OR F) AND V AND F) OR NOT(V AND F OR NOT(V AND F OR V XOR F)))

NOT(NOT(NOT(NOT(V OR F XOR F OR F) OR NOT(V AND F OR V) OR F) AND V AND F) OR NOT(V AND F OR NOT(V AND F OR V XOR F)))

NOT(NOT(NOT(NOT(V XOR F OR F) OR NOT(V AND F OR V) OR F) AND V AND F) OR NOT(V AND F OR NOT(V AND F OR V XOR F)))

NOT(NOT(NOT(NOT(V OR F) OR NOT(V AND F OR V) OR F) AND V AND F) OR NOT(V AND F OR NOT(V AND F OR V XOR F)))

NOT(NOT(NOT(NOT(V) OR NOT(V AND F OR V) OR F) AND V AND F) OR NOT(V AND F OR NOT(V AND F OR V XOR F)))

NOT(NOT(NOT(F OR NOT(V AND F OR V) OR F) AND V AND F) OR NOT(V AND F OR NOT(V AND F OR V XOR F)))

NOT(NOT(NOT(F OR NOT(F OR V) OR F) AND V AND F) OR NOT(V AND F OR NOT(V AND F OR V XOR F)))

NOT(NOT(NOT(F OR NOT(V) OR F) AND V AND F) OR NOT(V AND F OR NOT(V AND F OR V XOR F)))

NOT(NOT(NOT(F OR F OR F) AND V AND F) OR NOT(V AND F OR NOT(V AND F OR V XOR F)))

NOT(NOT(NOT(F OR F) AND V AND F) OR NOT(V AND F OR NOT(V AND F OR V XOR F)))

NOT(NOT(NOT(F) AND V AND F) OR NOT(V AND F OR NOT(V AND F OR V XOR F)))

NOT(NOT(V AND V AND F) OR NOT(V AND F OR NOT(V AND F OR V XOR F)))

NOT(NOT(V AND V AND F) OR NOT(V AND F OR NOT(F OR V XOR F)))

NOT(NOT(V AND V AND F) OR NOT(V AND F OR NOT(V XOR F)))

NOT(NOT(V AND V AND F) OR NOT(V AND F OR NOT(V)))

NOT(NOT(V AND V AND F) OR NOT(V AND F OR F))

NOT(NOT(V AND F) OR NOT(V AND F OR F))

NOT(NOT(F) OR NOT(V AND F OR F))

NOT(V OR NOT(V AND F OR F))

NOT(V OR NOT(F OR F))

NOT(V OR NOT(F))

NOT(V OR V)

NOT(V)

F