

GRUPO 01

$$((((\sim g) \vee (\sim f)) \vee (\sim f)) \rightarrow g) \rightarrow (g \leftrightarrow f)$$

$$((\sim (s \vee (\sim f))) \rightarrow q) \leftrightarrow ((\sim q) \wedge (s \vee f))$$

GRUPO 03

$$(a \rightarrow c) \rightarrow (((a \rightarrow (\sim c)) \vee c) \wedge (\sim a))$$

$$(((\sim z) \leftrightarrow (\sim x)) \rightarrow (\sim y)) \rightarrow ((\sim y) \wedge (z \wedge x))$$

GRUPO 02

$$(r \leftrightarrow t) \rightarrow (((\sim t) \wedge (\sim r)) \vee (\sim r)) \vee t$$

$$((\sim (b \vee (\sim n))) \rightarrow (\sim m)) \rightarrow ((\sim n) \wedge (m \vee b))$$

GRUPO 04

$$((j \rightarrow k) \vee j) \rightarrow (((k \leftrightarrow j) \vee k) \wedge (\sim k))$$

$$((\sim ((\sim q) \rightarrow (\sim p))) \rightarrow (\sim t)) \rightarrow ((\sim t) \wedge (p \wedge q))$$

GRUPO 01

g	f	$\sim g$	$\sim f$	$(\sim g) \vee (\sim f)$	$((\sim g) \vee (\sim f)) \vee (\sim f)$	$((\sim g) \vee (\sim f)) \vee (\sim f) \rightarrow g$	$g \leftrightarrow f$	$((\sim g) \vee (\sim f)) \vee (\sim f) \rightarrow g \rightarrow (g \leftrightarrow f)$
F	F	V	V	V	V	F	V	V
F	V	V	F	V	V	F	F	V
V	F	F	V	V	V	V	F	F
V	V	F	F	F	F	V	V	V

Contingencia: 75% Verdadero

s	f	q	$\sim f$	$sv(\sim f)$	$\sim(sv(\sim f))$	$(\sim(sv(\sim f))) \rightarrow q$	$\sim q$	svf	$(\sim q) \wedge (svf)$	$((\sim(sv(\sim f))) \rightarrow q) \leftrightarrow ((\sim q) \wedge (svf))$
F	F	F	V	V	F	V	V	F	F	F
F	F	V	V	V	F	V	F	F	F	F
F	V	F	F	F	V	F	V	V	V	F
F	V	V	F	F	V	V	F	V	F	F
V	F	F	V	V	F	V	V	V	V	V
V	F	V	V	V	F	V	F	V	F	F
V	V	F	F	V	F	V	V	V	V	V
V	V	V	F	V	F	V	F	V	F	F

Contingencia: 75% Falso

GRUPO 02

r	t	$r \leftrightarrow t$	$\sim t$	$\sim r$	$(\sim t) \wedge (\sim r)$	$((\sim t) \wedge (\sim r)) \vee (\sim r)$	$((\sim t) \wedge (\sim r)) \vee (\sim r) \vee t$	$(r \leftrightarrow t) \rightarrow (((\sim t) \wedge (\sim r)) \vee (\sim r) \vee t)$
F	F	V	V	V	V	V	V	V
F	V	F	F	V	F	V	V	V
V	F	F	V	F	F	F	F	V
V	V	V	F	F	F	F	V	V

Tautología: 100% Verdadero

b	n	m	$\sim n$	$b \vee (\sim n)$	$\sim (b \vee (\sim n))$	$\sim m$	$(\sim (b \vee (\sim n))) \rightarrow (\sim m)$	$m \vee b$	$(\sim n) \wedge (m \vee b)$	$((\sim (b \vee (\sim n))) \rightarrow (\sim m)) \rightarrow ((\sim n) \wedge (m \vee b))$
F	F	F	V	V	F	V	V	F	F	F
F	F	V	V	V	F	F	V	V	V	V
F	V	F	F	F	V	V	V	F	F	F
F	V	V	F	F	V	F	F	V	F	V
V	F	F	V	V	F	V	V	V	V	V
V	F	V	V	V	F	F	V	V	V	V
V	V	F	F	V	F	V	V	V	F	F
V	V	V	F	V	F	F	V	V	F	F

Contingencia: 50% Verdadero;
50% Falso

GRUPO 03

a	c	$a \rightarrow c$	$\sim c$	$a \rightarrow (\sim c)$	$(a \rightarrow (\sim c)) \vee c$	$\sim a$	$((a \rightarrow (\sim c)) \vee c) \wedge (\sim a)$	$(a \rightarrow c) \rightarrow (((a \rightarrow (\sim c)) \vee c) \wedge (\sim a))$
F	F	V	V	V	V	V	V	V
F	V	V	F	V	V	V	V	V
V	F	F	V	V	V	F	F	V
V	V	V	F	F	V	F	F	F

Contingencia: 75% Verdadero

z	x	y	$\sim z$	$\sim x$	$(\sim z) \leftrightarrow (\sim x)$	$\sim y$	$((\sim z) \leftrightarrow (\sim x)) \rightarrow (\sim y)$	$z \wedge x$	$(\sim y) \wedge (z \wedge x)$	$((\sim z) \leftrightarrow (\sim x)) \rightarrow (\sim y) \rightarrow ((\sim y) \wedge (z \wedge x))$
F	F	F	V	V	V	V	V	F	F	F
F	F	V	V	V	V	F	F	F	F	V
F	V	F	V	F	F	V	V	F	F	F
F	V	V	V	F	F	F	V	F	F	F
V	F	F	F	V	F	V	V	F	F	F
V	F	V	F	V	F	F	V	F	F	F
V	V	F	F	F	V	V	V	V	V	V
V	V	V	F	F	V	F	F	V	F	V

Contingencia: 62,5% Falso

GRUPO 04

j	k	$j \rightarrow k$	$(j \rightarrow k) \vee j$	$k \leftrightarrow j$	$(k \leftrightarrow j) \vee k$	$\sim k$	$((k \leftrightarrow j) \vee k) \wedge (\sim k)$	$((j \rightarrow k) \vee j) \rightarrow (((k \leftrightarrow j) \vee k) \wedge (\sim k))$
F	F	V	V	V	V	V	V	V
F	V	V	V	F	V	F	F	F
V	F	F	V	F	F	V	F	F
V	V	V	V	V	V	F	F	F

Contingencia: 75% Falso

q	p	t	$\sim q$	$\sim p$	$(\sim q) \rightarrow (\sim p)$	$\sim((\sim q) \rightarrow (\sim p))$	$\sim t$	$(\sim((\sim q) \rightarrow (\sim p))) \rightarrow (\sim t)$	$p \wedge q$	$(\sim t) \wedge (p \wedge q)$	$((\sim((\sim q) \rightarrow (\sim p))) \rightarrow (\sim t)) \rightarrow ((\sim t) \wedge (p \wedge q))$
F	F	F	V	V	V	F	V	V	F	F	F
F	F	V	V	V	V	F	F	V	F	F	F
F	V	F	V	F	F	V	V	V	F	F	F
F	V	V	V	F	F	V	F	F	F	F	V
V	F	F	F	V	V	F	V	V	F	F	F
V	F	V	F	V	V	F	F	V	F	F	F
V	V	F	F	F	V	F	V	V	V	V	V
V	V	V	F	F	V	F	F	V	V	F	F

Contingencia: 75% Falso