

EX. 24

1.

P_1		P_2	C
s	h	$s \rightarrow h$	$s \quad h$
T	T	T	T
T	F	F	F
F	T	T	T
F	F	T	F

VALID
(NO TTF)

2.

P_1		P_2	C
s	h	$s \rightarrow h$	$h \quad s$
T	T	T	T
T	F	F	T
F	T	T	F
F	F	T	F

← INVALID
DUE TO
ROW 3

3.

P_1		P_2	C
s	h	$s \rightarrow h$	$\sim s \quad \sim h$
T	T	T	F
T	F	F	T
F	T	T	F
F	F	T	T

← INVALID
(ROW 3)

4.

P_1		P_2	C
s	p	$s \vee p$	$\sim s \quad p$
T	T	T	T
T	F	T	F
F	T	T	T
F	F	F	F

VALID
(NO TTF)

5.

e	g	$e \rightarrow g$	$\sim e$	$\sim g$
T	T	T	F	F
T	F	F	F	T
F	T	T	T	F
F	F	T	T	T

← INVALID (ROW 3)

6.

e	g	$e \rightarrow g$	g	e
T	T	T	T	T
T	F	F	F	T
F	T	T	T	F
F	F	T	F	F

← INVALID (ROW 3)

7.

e	g	e	g	e	$g \wedge e$
T	T	T	T	T	T
T	F	T	F	T	F
F	T	F	T	F	F
F	F	F	F	F	F

VALID (NO TTF)

8.

p	q	r	$p \rightarrow q$	$q \rightarrow r$	$p \rightarrow r$
T	T	T	T	T	T
T	T	F	T	F	F
T	F	T	F	T	F
T	F	F	F	T	F
F	T	T	T	T	T
F	T	F	T	F	T
F	F	T	T	T	T
F	F	F	T	T	T

VALID (NO TTF)