

Practice Exam #1

Part V

One open path.

Invalid

$$(F \leftrightarrow G) \vee (T \leftrightarrow W) \checkmark$$

$$\sim (\sim W \vee \sim H) \checkmark$$

$$(F \supset G) \supset (H \supset \sim S)$$

$$\sim \sim S \checkmark$$

S

$$\sim \sim W \checkmark$$

$$\sim \sim H \checkmark$$

W

H

$$(F \leftrightarrow \sim G) \checkmark$$

F

$$\sim G$$

$$T \leftrightarrow \sim W$$

T

$$\sim W$$

X

$$(H \supset \sim S)$$

$$\sim (F \supset G)$$

F

$$\sim G$$

$$\sim H$$

X

$$\sim S$$

X