

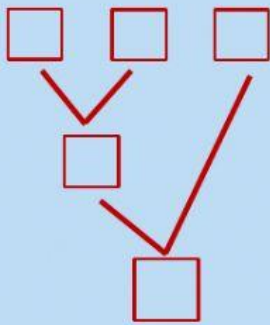
ใบงาน

## เรื่อง การหาค่าความจริงของประพจน์

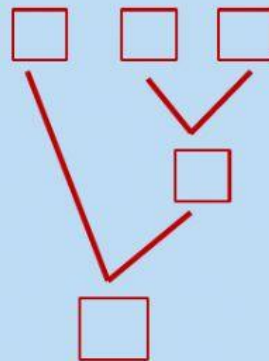
ชื่อ.....ห้อง.....เลขที่.....

1.กำหนดให้  $p$  ,  $q$  มีค่าความจริงเป็นจริง และ  $r$  ,  $s$  ,  $t$  มีค่าความจริงเป็นเท็จ จงหาค่าความจริงของประพจน์ต่อไปนี้

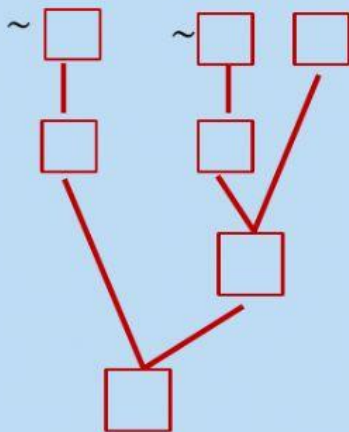
1.1  $(p \wedge q) \rightarrow r$



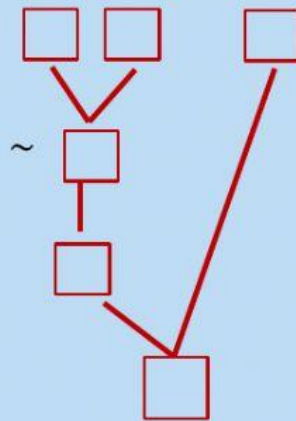
1.2  $r \rightarrow (q \wedge s)$



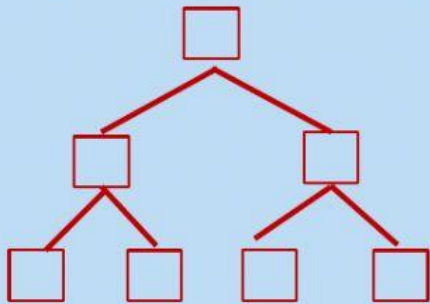
1.3  $\sim r \rightarrow (\sim p \vee q)$



1.4  $\sim(r \vee t) \leftrightarrow p$



The diagram illustrates a hierarchical tree structure. At the top level, there are four red square boxes. The first and second boxes are connected by a tilde (~) symbol. The third and fourth boxes are also connected by a tilde (~) symbol. The first box connects to a single box below it. The second box connects to a single box below it. The third box connects to a single box below it. The fourth box connects to a single box below it. The single box from the first box and the single box from the second box connect to a single box below them. The single box from the third box and the single box from the fourth box connect to a single box below them. Finally, these two boxes connect to a single box at the bottom.

$$(p \rightarrow q) \wedge (r \vee s)$$

$$(\sim p \rightarrow \sim q) \vee (p \leftrightarrow q)$$
