

The main connective in each of the formulas below is highlighted in blue.

$$((P \vee Q) \wedge R)$$

$$\neg(P \rightarrow Q)$$

$$(\neg P \vee (Q \vee R))$$

$$\neg\neg(P \wedge R)$$

$$((\neg P \vee Q) \vee R)$$

$$(\neg P \vee (Q \vee R))$$

$$((\neg P \wedge \neg R) \rightarrow (Q \wedge \neg R))$$