

Bitwise AND in Java:

Symbol \rightarrow $\&$ [\wedge in discrete mathematics]

Truth table:

p	q	$p \wedge q$
T	T	T
T	F	F
F	T	F
F	F	F

Bitwise Inclusive OR in Java:

Symbol \rightarrow | [V in discrete mathematics]

Truth Table:

P	q	$p \vee q$
T	T	T
T	F	T
F	T	T
F	F	F

Bitwise exclusive OR in Java

Symbol $\rightarrow \wedge [\oplus \text{ in discrete mathematics}]$

Truth table:

P	Q	$P \oplus Q$
T	T	F
T	F	T
F	T	T
F	F	F

// the java code will work according to the truth tables