

Boolean Practice DeMorgan's Law

Table 1: Truth Table 1

p	q	!p	!q	p q	!(p q)	!p && !q
T	T					
T	F					
F	T					
F	F					

Table 2: Truth Table 2

p	q	!p	!q	p && q	!(p&&q)	!p !q
T	T					
T	F					
F	T					
F	F					

Short Circuits

1. And &&

- (a) `if (str != null && str.length() ==0)`
- (b) `if (str.length() == 0 && str != null)`

2. Or ||

- (a) `if (str != null || str.length() ==0)`
- (b) `if (str.length() == 0 || str != null)`