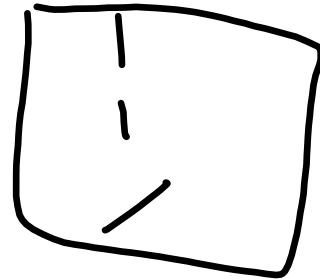


OR || - Symbol

Shift + Back slash ← make one  
'|'



key above enter  
Return

TRUTH TABLE

T or F  
→

A
T
F
T
F

or

B
T
F
T
F

← T or F  
 $2^2 = 4$

A
T
F

$2^1$

ABC  
 $2^3 = 8$

2<sup>number of variables</sup>

A or B		
T	T	T
F	F	F
T	F	T
F	T	T

OR  $\rightarrow$  is true if one is true

A 28 B  
AND

Shift + '7'

A	B		
<u>T</u>	<u>T</u>	→	T
F	F	→	F
T	F	→	F
F	T	→	F

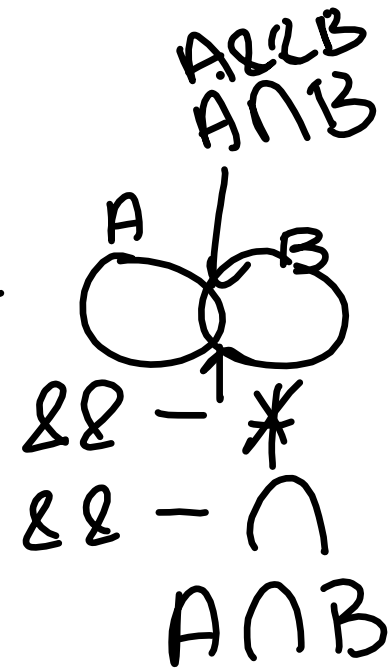
& ← bit  
wise  
operator

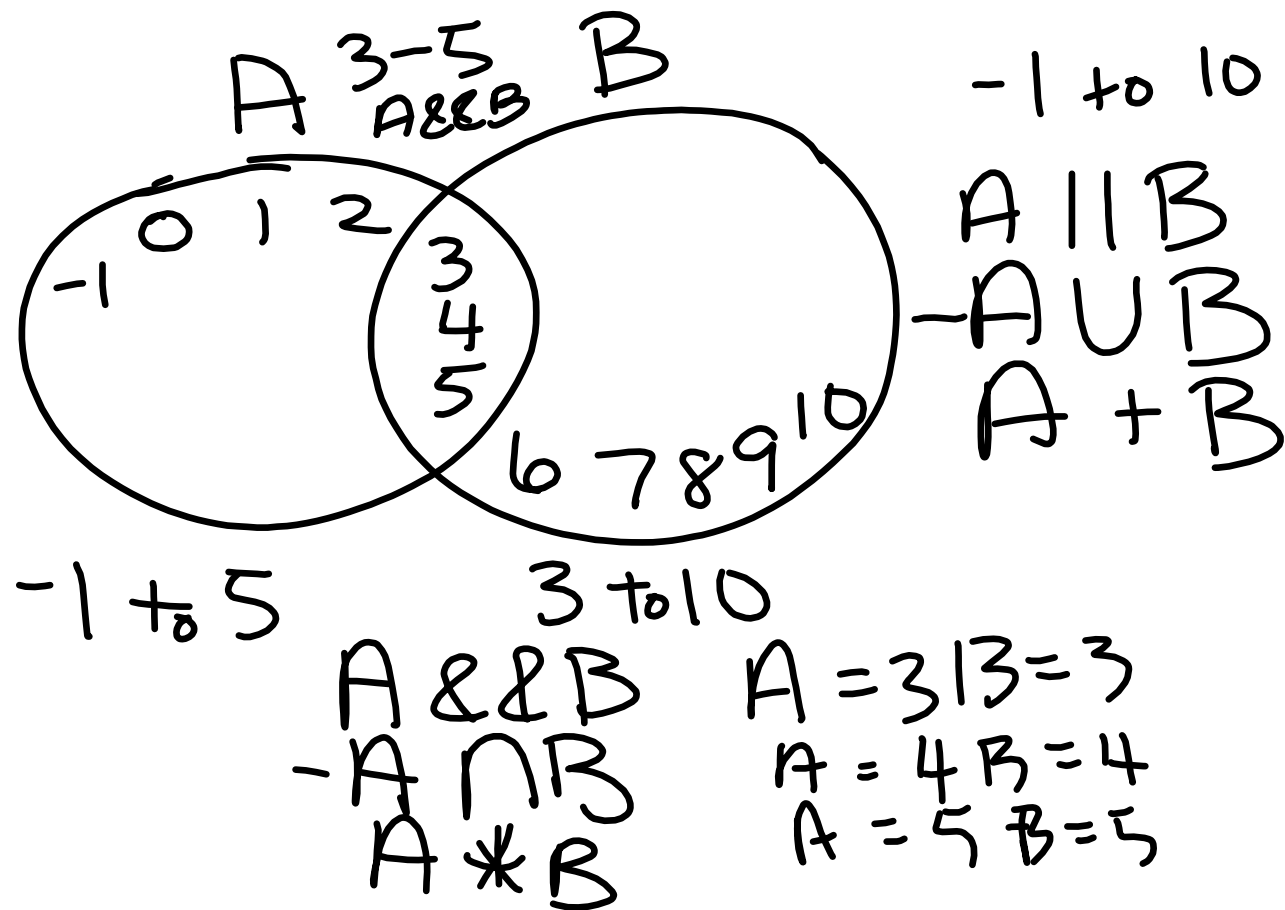
&& ← AND

NOT

 $\rightarrow ! A \text{ Shift} + 1$  $\sim A$  $\rightarrow \neg A$ 

Discrete Math Symbol





$A \leftrightarrow B$	A	B	$A \vee B$
T	T	T	T
F	F	F	F
F	T	F	T
F	F	T	T

	$A * B$	$A + B$
1	1	1
0	0	0
1	0	1
0	1	1

<u>A</u>		<u>! A</u>
T	→	F
F	→	T

XOR -

exclusive or  
only one true

- AND, OR, NOT &

A || B - NOT 'A & B

A  
set  
↓  
T  
F.

B  
set  
↓  
T  
F



