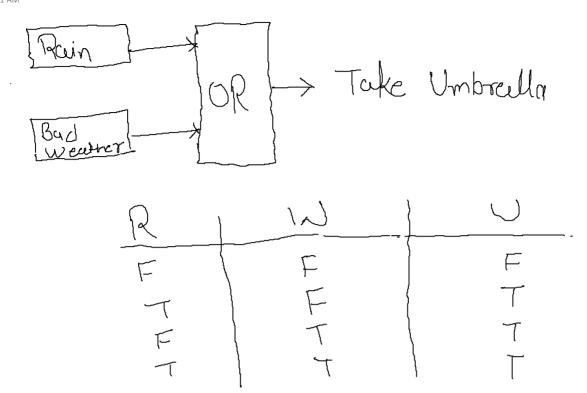
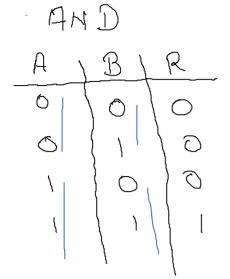
Boolean Algebra

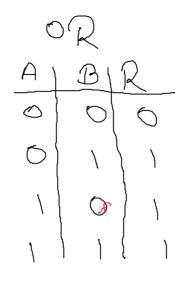
Saturday, August 08, 2020 8:51 AM



BA-1.1

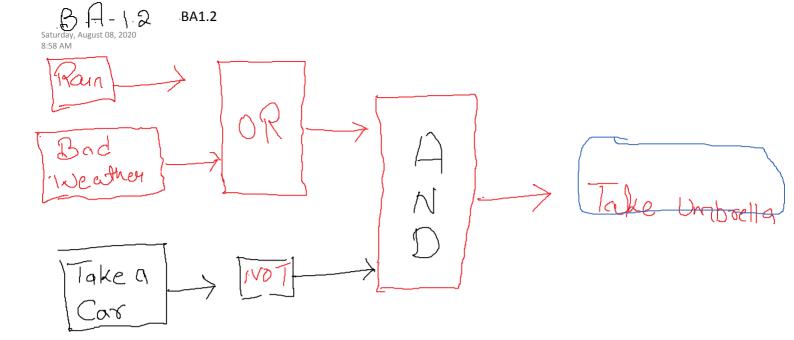
Saturday, August 08, 2020 8:54 AM





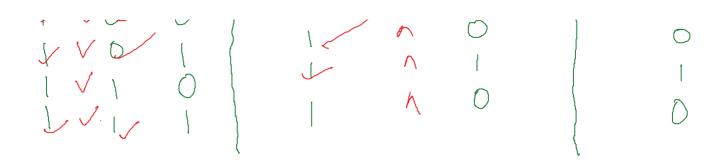
AO+ AIR OI IO

7 NOT = List 1 And VOR



AIF I clon't take Car than I will take the Umbrella, If it
Is Rain or weather forcast is bad.

Take Umbrella - NOT (take (non) AND (Bad Weather) OR (Rain)	
$N = AND$ $X_1 = RVW$ $X_2 = 7C$	T U= X1/1X2
00+0 0 0 1 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1	0 -
VVV O	† 0



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$$7 (7A) = A$$

$$A = 0$$

Associative
$$\int (A \wedge B) \wedge C = A \wedge (B \wedge C)$$

 $\int (A \vee B) \vee C = A \vee (B \vee C)$

Mathematical Induction

Saturday, August 08, 2020 9:24 AM

Induction Hypothesip = assume that result is True for = n = k

Induction Step = Prome that result is true for n = k+1

Induction Step = I Induction Step -> Actual Proof

Prove the following series by Poincipal of M.T.

1+2+3+....n=n(n+1)

Basic Led N=1 = R.Hs. L+13 = 1 (1+1) 2

Induction Hypotherin = We consume two result is true for N= K

$$1+2+3+...$$
 $K = \frac{k(k+1)}{2}$

Induction Step: we have to prove that the result is
true for m = (K + 1)

 $=\frac{(k+1)(k+1+1)}{2}$