

Eromosele csc202 assignment

SAFE DRIVING MANUAL

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Question 1

use a truth table to show that
 $A * (B + C) = A * B + A * C$

A	B	C	B+C	A*B	A*C	A*(B+C)	A*B+A*C
0	0	0	0	0	0	0	0
0	0	1	1	0	0	0	0
0	1	0	1	0	0	0	0
0	1	1	1	0	0	0	0
1	0	0	0	0	0	0	0
1	0	1	1	0	1	1	1
1	1	0	1	1	0	1	1
1	1	1	1	1	1	1	1

∴ From the truth table above you can see that the result of $A * (B + C) = A * B + A * C$