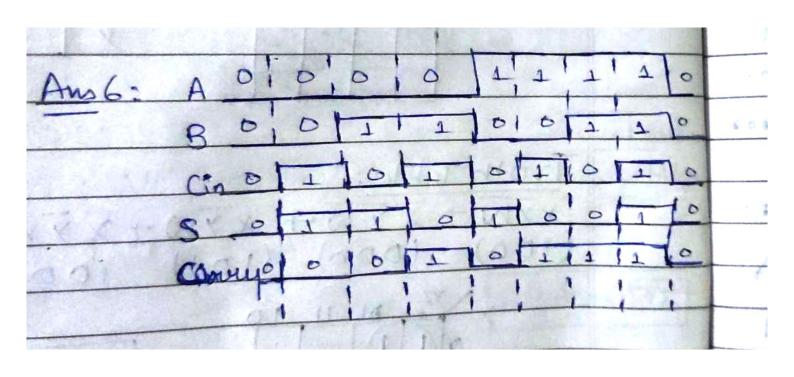


	Truth Table:
	XYW + XYW + XYW + XYW + XYW
FALL	(100) (000) (101) (001) (111) (110)
	x y 2 0 1 1 1 1 0 2 X + Y Am
	r= -7-2 ARTAT +> ARE+ ART
Am 4	: (a) Z = AR·[B+c] => AR[Bc] => ABB+ ABC Z = ABC AM
	Note:
(b)	M=FT+ IGF+ 9 T-DOLD - T-OD
75	= FT+ I10+T+9 - D = -
	->(C+=)+1 Am 9
	T+ LQ
()	= 0 = 0 = 0 = 0
(c)	
	[De-morgan]
	- To Am
(9)	$P = \overline{x} y w + x \overline{w} + \overline{x} \overline{y} z \xrightarrow{Am}$ $P = (w + x + \overline{y})(\overline{w} + \overline{x})(x + \overline{y} + z) \xrightarrow{Am}$
(0)	P = (W + X + Y)(W + X)(X + Y + Z)

Ams:	S= ABC	+ ABC + ABC + ABC C= AB+ BCin+ AGn
	ABCINE	S - C + WALL WALL WALL WALL WALL WALL WALL WA
1	0000	1 → It is acting as a full-Adder
	0100	$1 \rightarrow S = Sum$
	1000	$\frac{0}{1} \rightarrow c = cavvy$
	101 1	PRINCH REQUIRE THE EXTENT
	110 T	0
	117 7	1



Ams:	1: (i) A+ AB'+ABC'
	=> ABC+ ABC+ ABC+ ABC+ ABC+ ABC+ ABC
	A BE BE BE BE
	A 0 0 0 0 => A Am
	A[] Proved)
	(11) XY+XZ+Y·Z => XYZ+XYZ+ XYZ+ XYZ+XYZ+XYZ
-	X \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
-	$\overline{X} \circ (1,1)_2 \Rightarrow \overline{X}Z + XY Am$
	X 4 5(17 12 (Proved)
	AND THE PROPERTY OF THE PARTY O
tus 8	Truth table proof is in Ams 7.
	(11) XY+ YZ+ XZ=D XY+ XYZ+ XYZ+ XZ=D·XY+ XZ Any Truth table proof is in Ans 7.
	(iii) $x+\overline{x}y=(x+\overline{x})(x+\overline{y}) \Rightarrow x+\overline{y} \xrightarrow{Am}$
	X+Y (Proved)