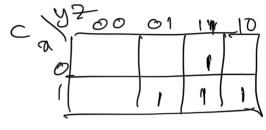
## Full adder using Half, adder:

	2	y	3	S	C
O	0	0	0	0	0
1	0	0	4	1	$\mathcal{O}$
2	0	1	O	٨	O
3	0	1	1	0	1
4	1	$\mathcal{O}$	0	1 /	0
5	1 /	0	4	0	1
6	ţ	1	0	0	1
$\bigcap$	ſ	1	( 1 .	1 1	
				)	



$$C = C_1 + C_2 = 2y + 3y^2 + 3y^2$$
  
=  $y(3+32) + 3y^2$   
=  $3y + 3y^2 + 2y$