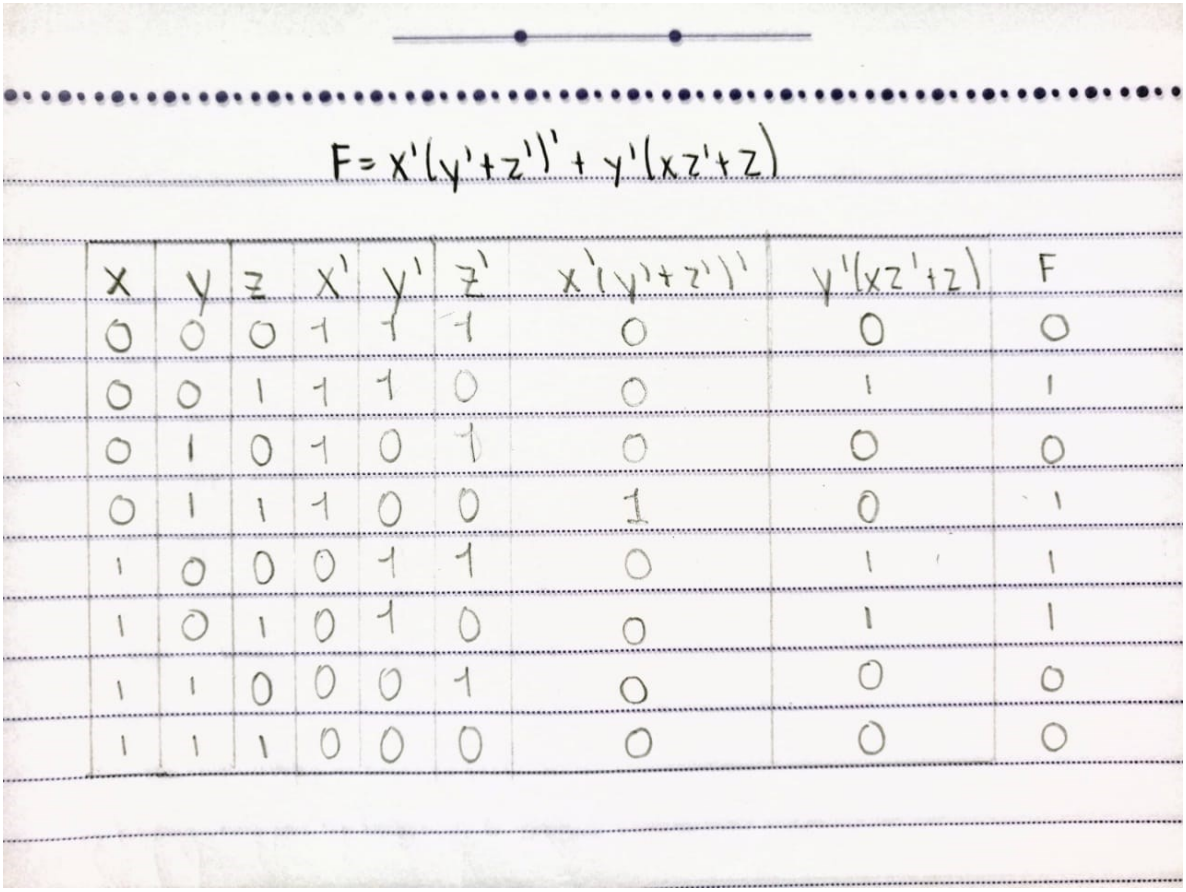
Angie Marchena Mondell – 604650904



$F = x'(y'+z')' + y'(xz'+z)$

X	Y	Z	X'	Y'	Z'	$x'(y'+z')'$	$y'(xz'+z)$	F
0	0	0	1	1	1	0	0	0
0	0	1	1	1	0	0	1	1
0	1	0	1	0	1	0	0	0
0	1	1	1	0	0	1	0	1
1	0	0	0	1	1	0	1	1
1	0	1	0	1	0	0	1	1
1	1	0	0	0	1	0	0	0
1	1	1	0	0	0	0	0	0

Simplifcacion por boole

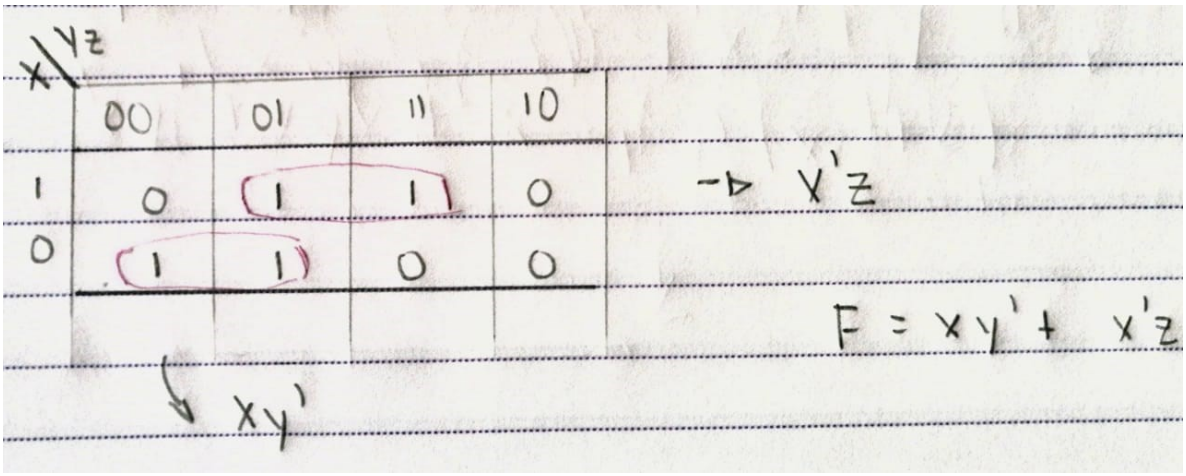
X’(Y’+Z’)’+X’(XZ’+Z)

X’YZ+ X’(XZ’+Z)

X’YZ+X’Y’Z+XY’Z’+XY’Z

(X+Y+Z)(X+Y’+Z)(X’+Y’+Z)(X’+Y’+Z’)

X’Z+XY’



Circuito general / circuito reducido.