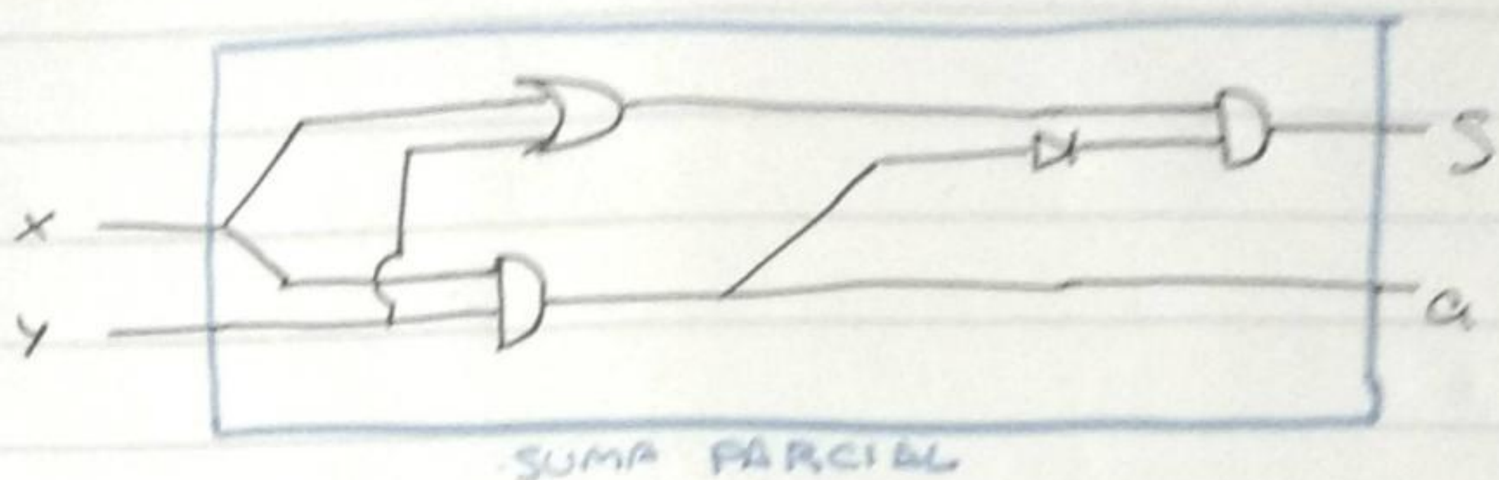


SUMA PARCIAL

x y	S a
0 0	0 0
0 1	1 0
1 0	1 0
1 1	0 1

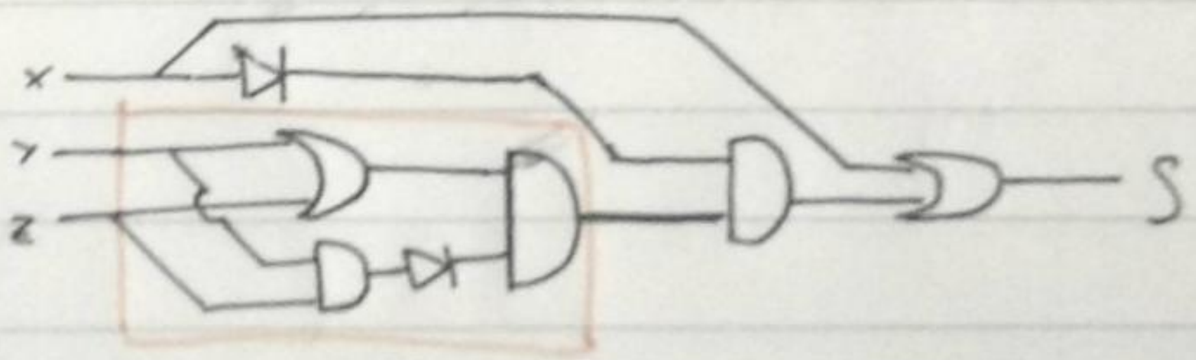
x y z	S a
0 0 0	0 0
0 0 1	1 0
0 1 0	1 0
0 1 1	0 1
1 0 0	1 0
1 0 1	0 1
1 1 0	0 1
1 1 1	1 1

$S(xyz) = \bar{x}y\bar{z} + \bar{x}y\bar{z} + x\bar{y}\bar{z} + xyz$

$a(xyz) = \bar{x}yz + x\bar{y}z + xy\bar{z} + xyz$

$S(xyz) = \bar{x}y\bar{z} + \bar{x}y\bar{z} + x\bar{y}\bar{z} + xyz = \bar{x}y\bar{z} + \bar{x}y\bar{z} + x\cdot(\bar{y}\bar{z} + yz)$

$= \bar{x}(\bar{y}z + y\bar{z}) + x = \bar{x}\cdot((z+y)\cdot(\bar{y}+\bar{z})) + x = \bar{x}\cdot(\ldots)\cdot\bar{z}) + x$



$a(xyz) = \bar{x}yz + x\bar{y}z + xy\bar{z} + xyz =$

$(x+y+z)\cdot(\bar{x}+\bar{y}+\bar{z}) + xyz =$

$(x+y+z)\cdot\overline{xyz} + xyz$