

Canonical Forms: minterms (SOP)

Step1:

Step 2:

Step 3:

x	y	z	minterms	F
0	0	0		0
0	0	1		1
0	1	0		0
0	1	1		1
1	0	0		0
1	0	1		1
1	1	0		0
1	1	1		0

Test it!

x	y	z							F
0	0	0							0
0	0	1							1
0	1	0							0
0	1	1							1
1	0	0							0
1	0	1							1
1	1	0							0
1	1	1							0

Draw the logic gate here: