



SISTEMAS DIGITALES

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Grupo: 2.B

TABLA DE VERDAD

X	Y	Z	W	a	b	c	d	e	f	g
0	0	0	0	1	1	1	1	1	1	0
0	0	0	1	0	1	1	0	0	0	0
0	0	1	0	1	1	0	1	1	0	1
0	0	1	1	1	1	1	1	0	0	1
0	1	0	0	0	1	1	0	0	1	1
0	1	0	1	1	0	1	1	0	1	1
0	1	1	0	1	0	1	1	1	1	1
0	1	1	1	1	1	1	0	0	0	0
1	0	0	0	1	1	1	1	1	1	1
1	0	0	1	1	1	1	0	0	1	1
1	0	1	0	1	1	1	0	1	1	1
1	0	1	1	0	0	1	1	1	1	1
1	1	0	0	1	0	0	1	1	1	0
1	1	0	1	0	1	1	1	1	0	1
1	1	1	0	1	0	0	1	1	1	1
1	1	1	1	1	0	0	0	1	1	1

MAPAS DE KARNAUGH

a

	Z W				
XY \	00	01	11	10	
00	1		1	1	
01		1	1	1	
11	1		1	1	
10	1	1		1	

$Y'W' + X'Z + X'YW + YZ + XY'Z' + XW'$

b

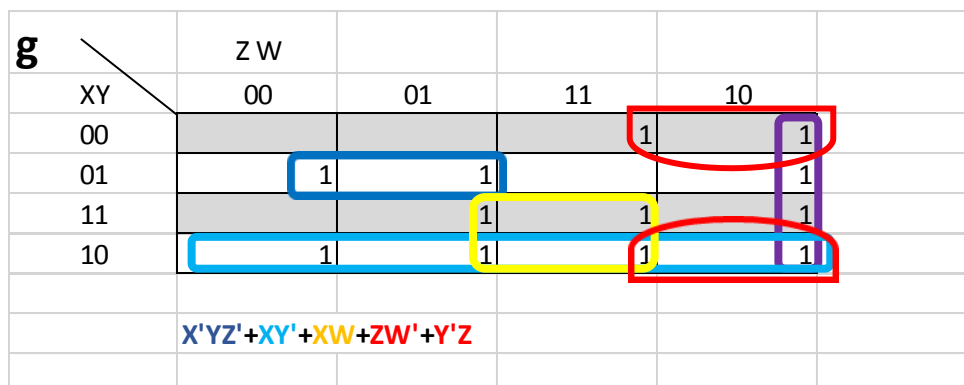
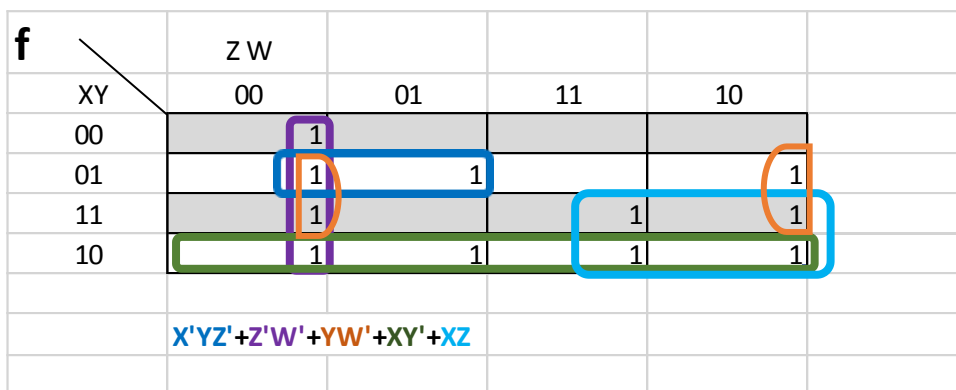
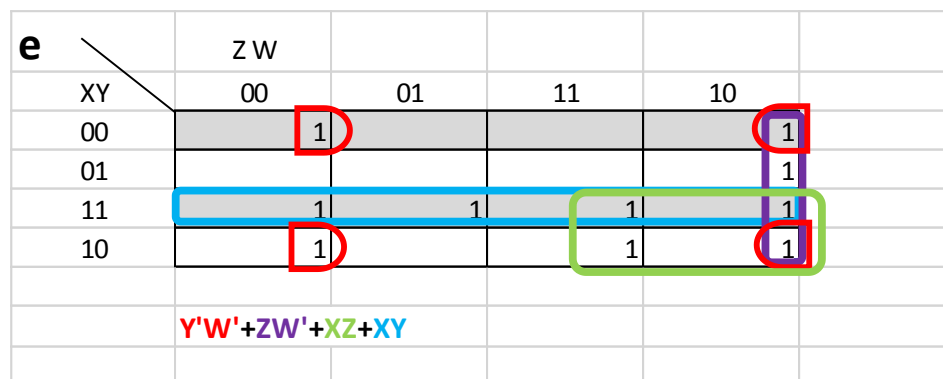
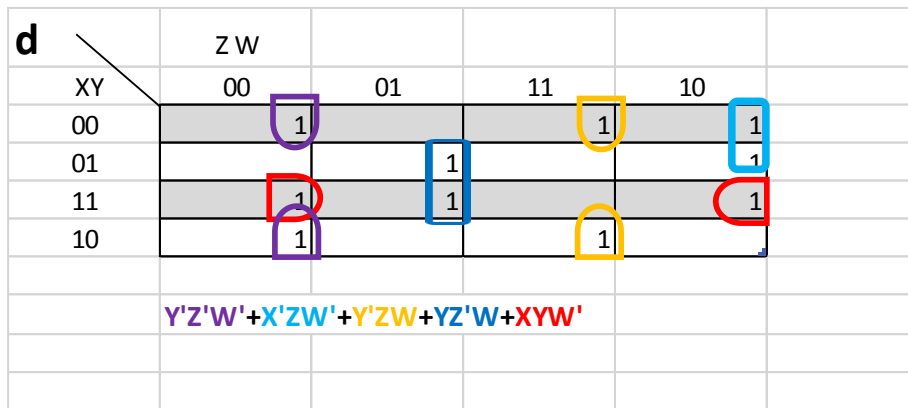
	Z W				
XY \	00	01	11	10	
00	1	1	1	1	
01	1		1		
11		1			
10	1	1		1	

$X'Z'W' + X'ZW + XZ'W + Y'Z' + Y'W'$

c

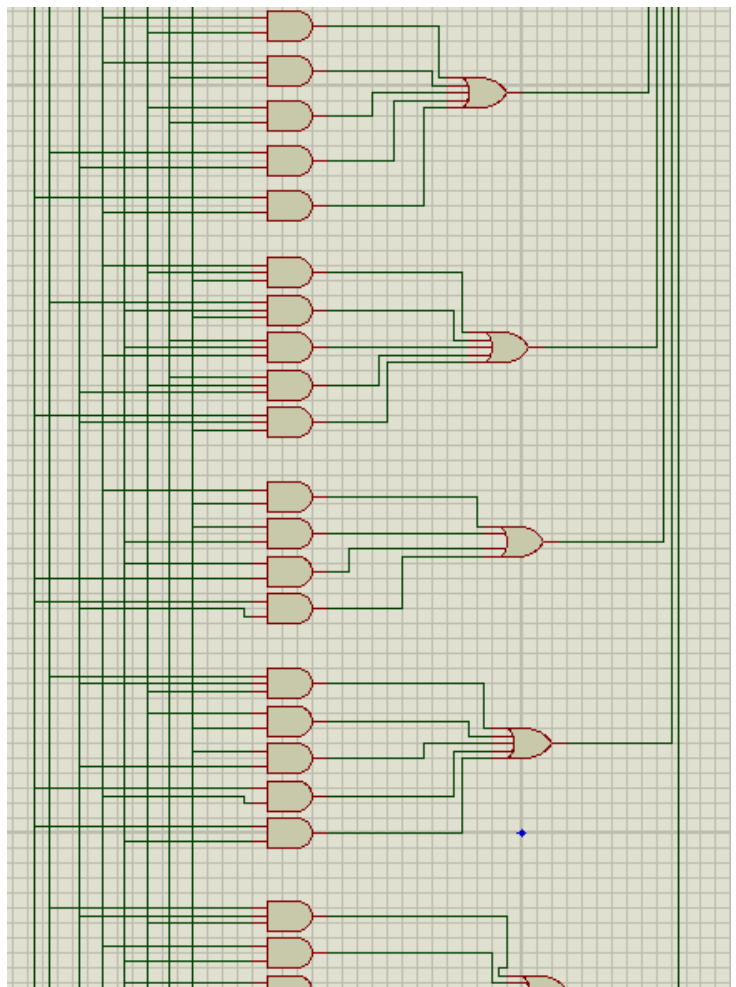
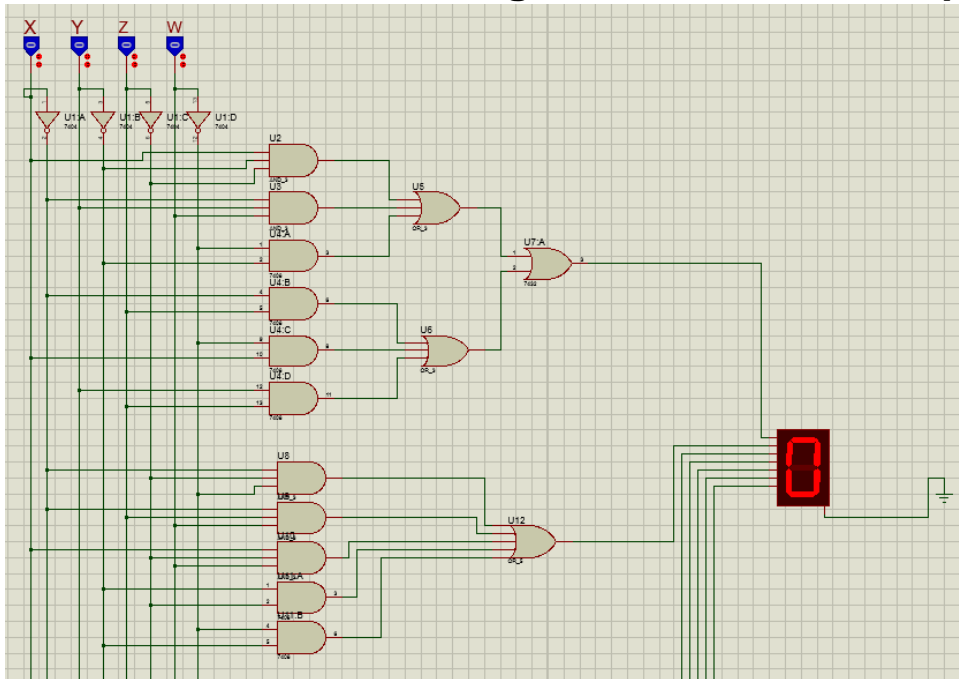
	Z W				
XY \	00	01	11	10	
00	1	1	1		
01	1	1	1	1	
11		1	1		
10	1	1	1	1	

$Y'Z' + Y'W + Z'W + X'Y + XY'$

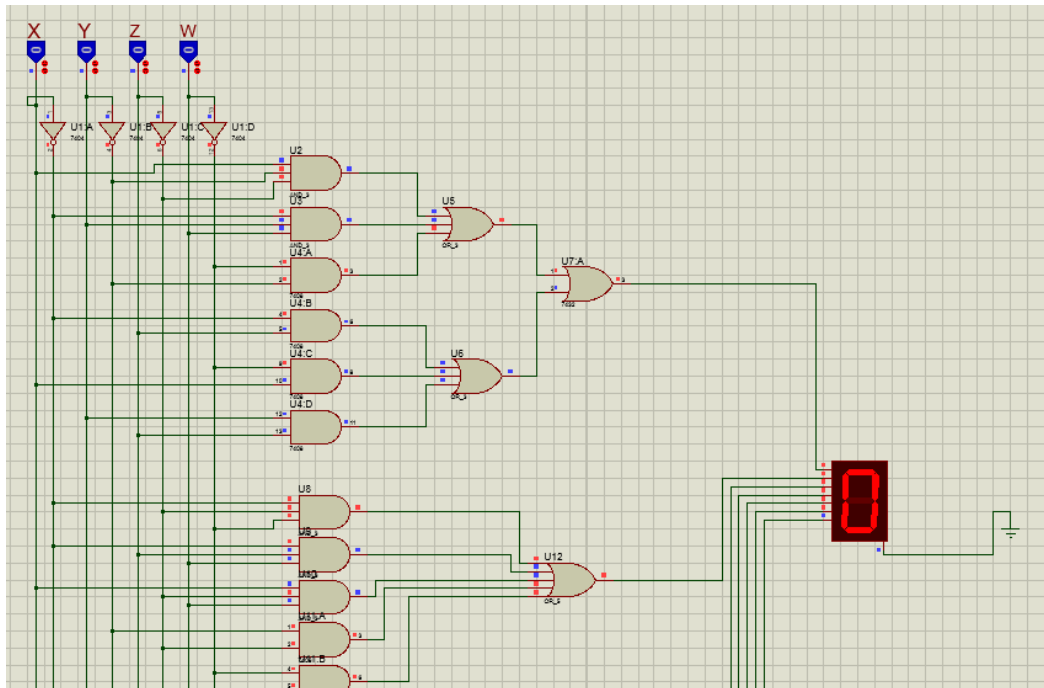


DISPLAY

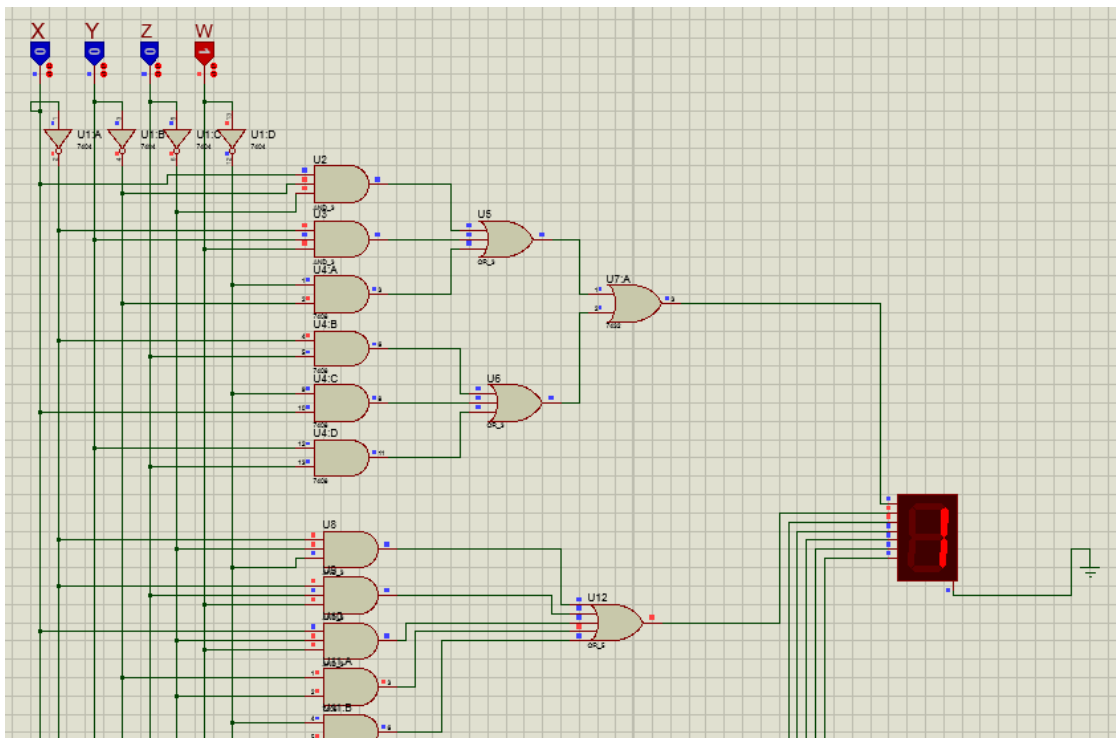
Imágenes del circuito en proteus



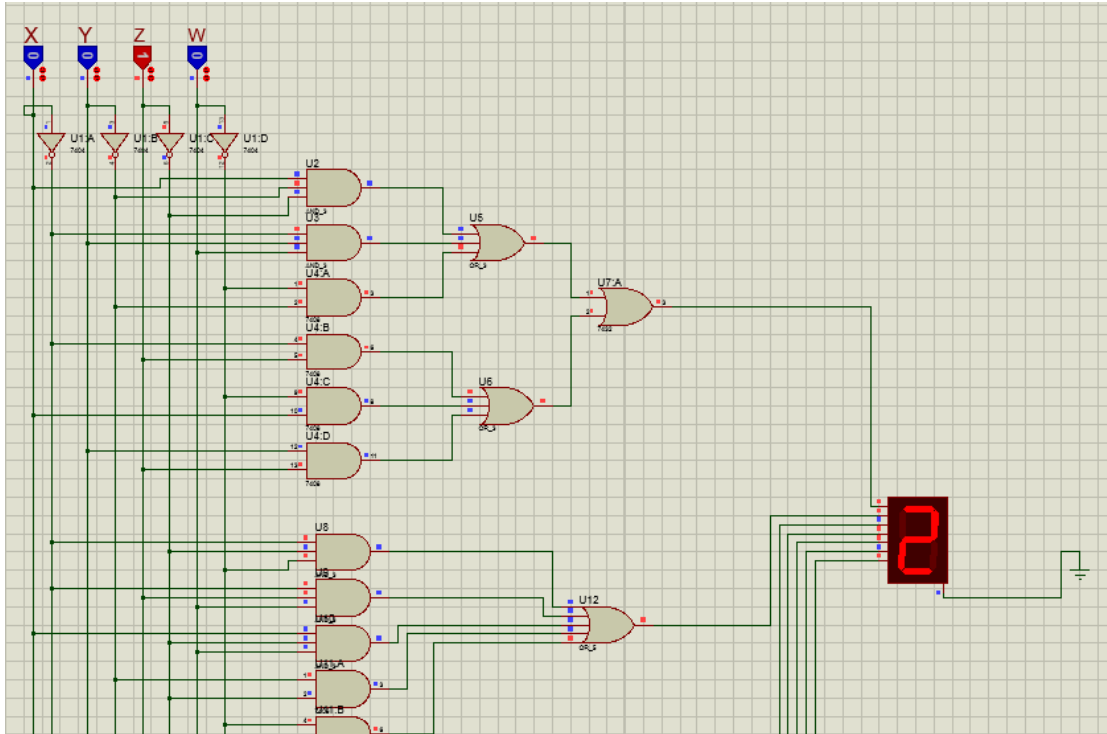
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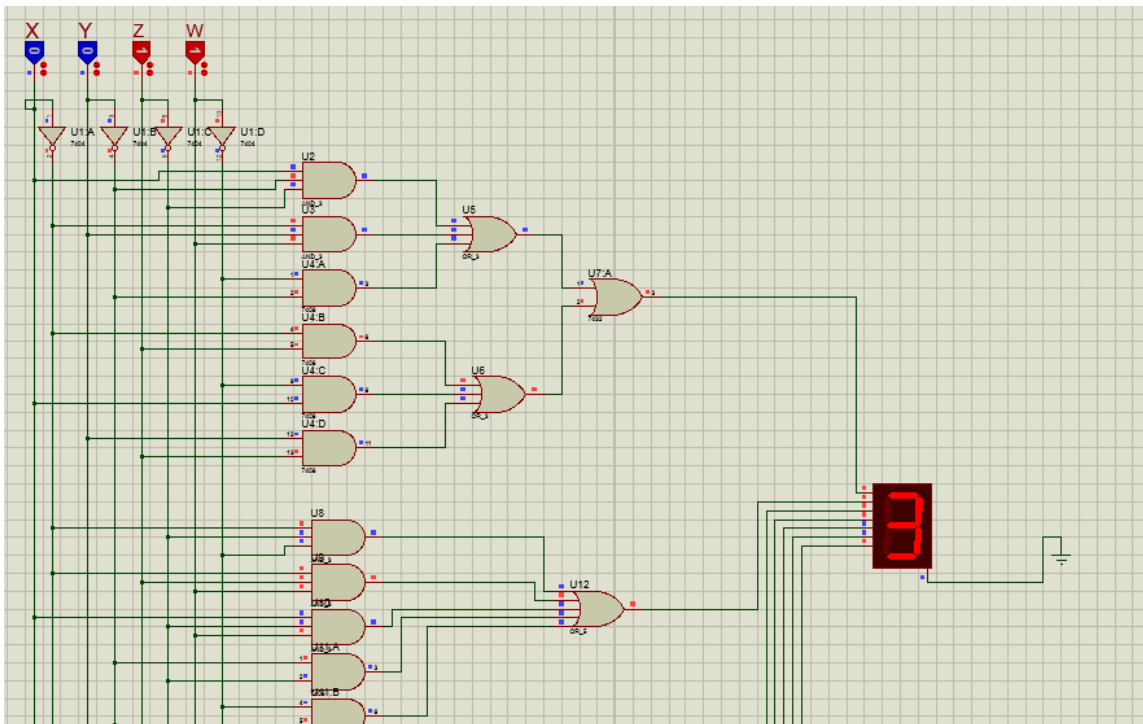
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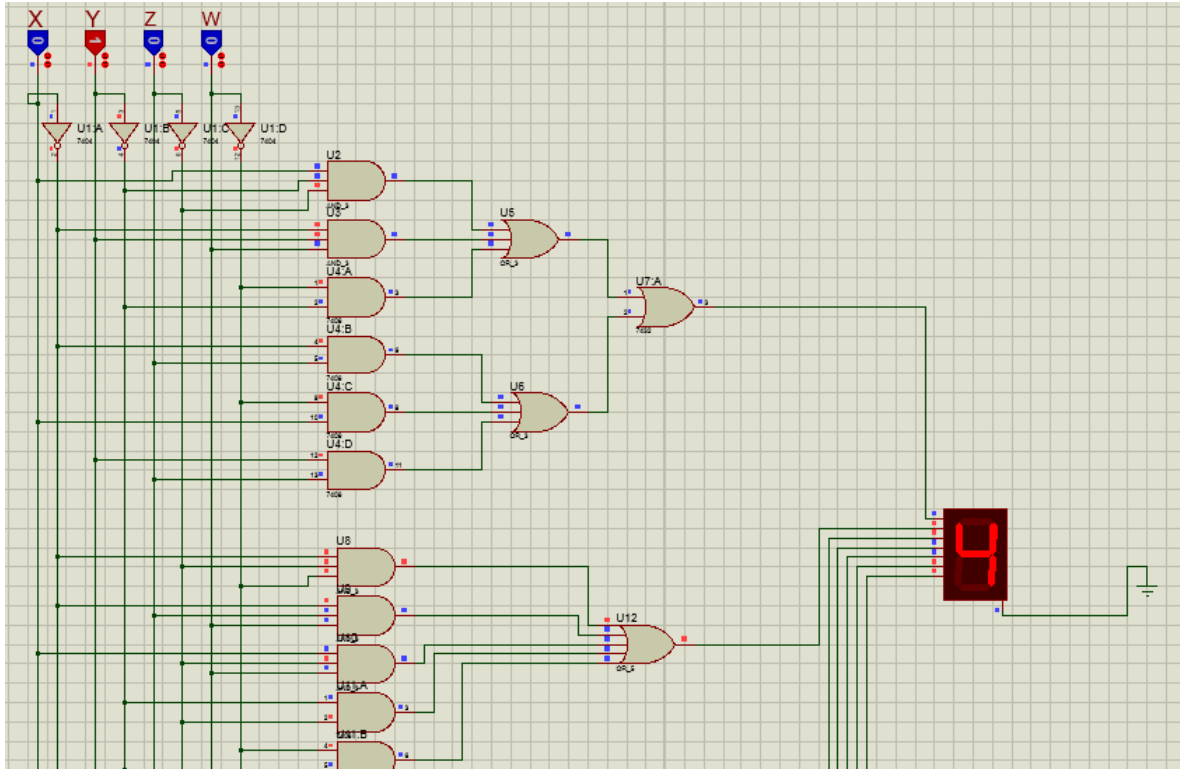
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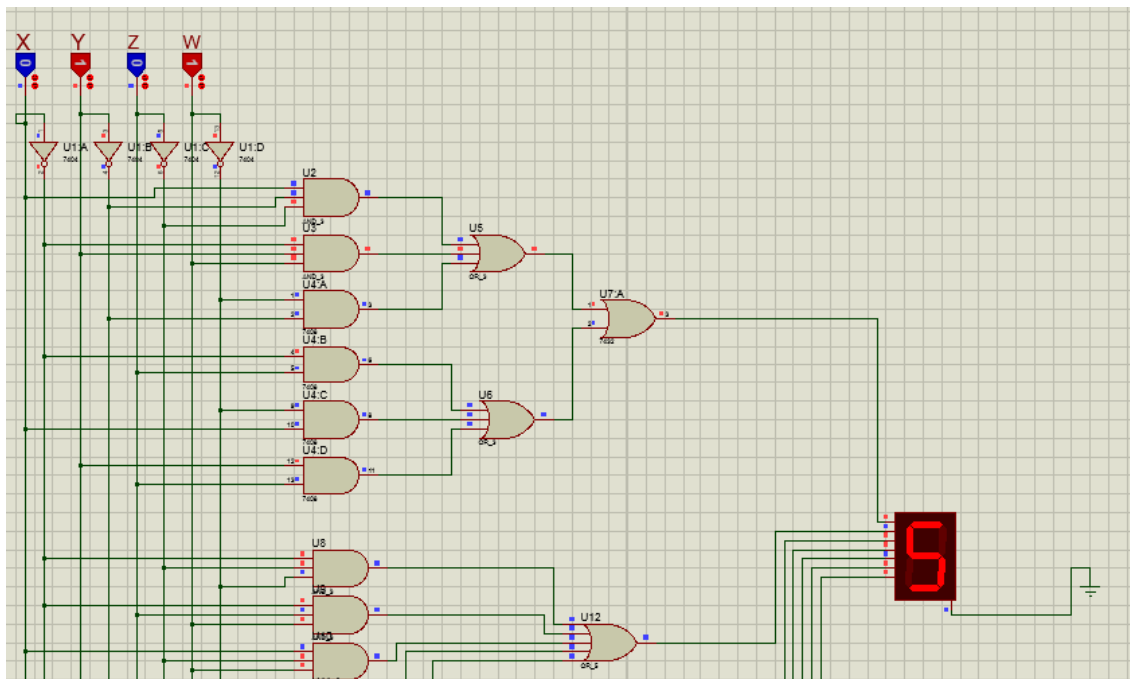
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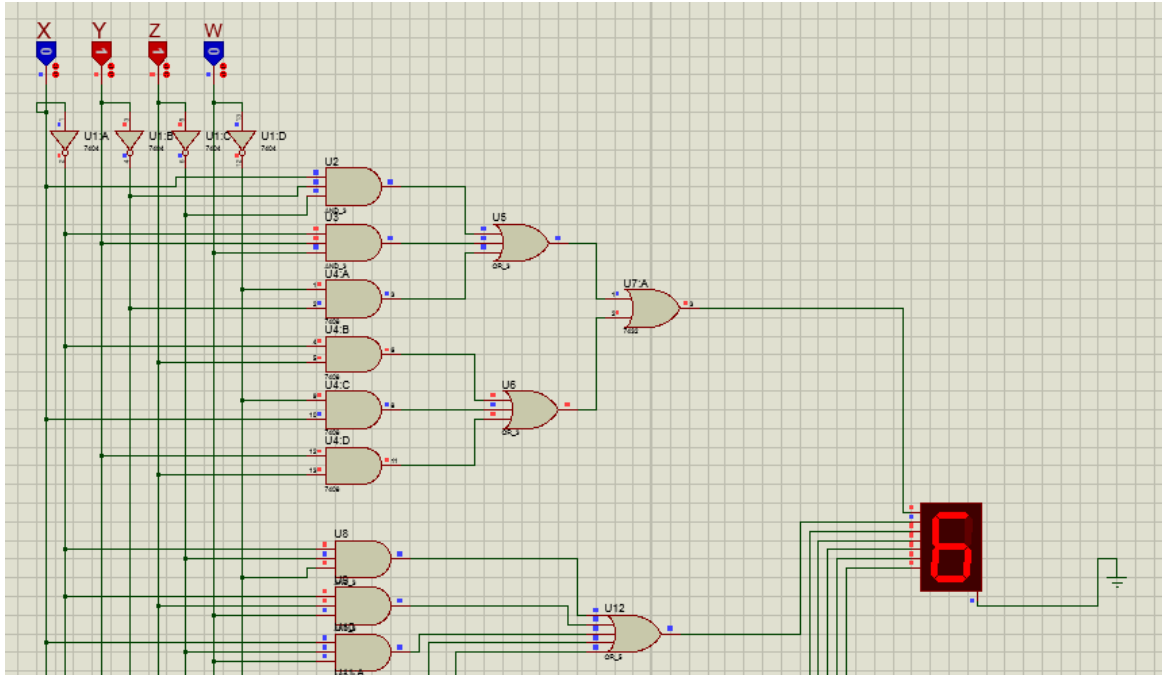
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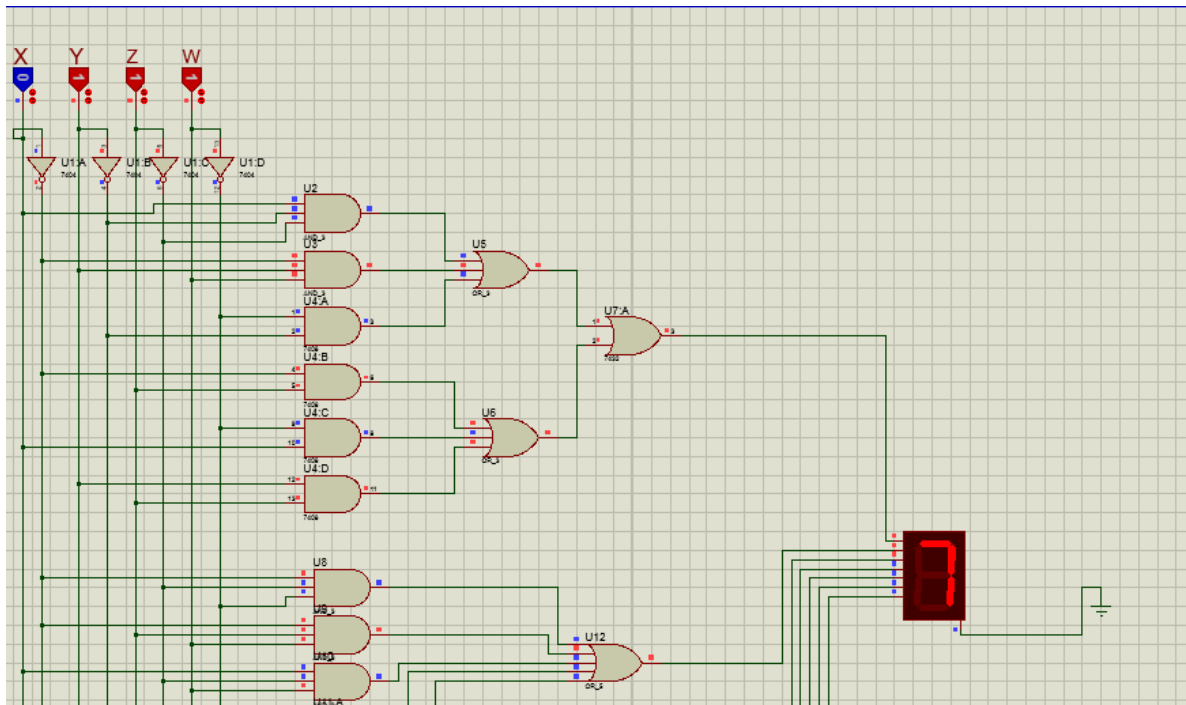
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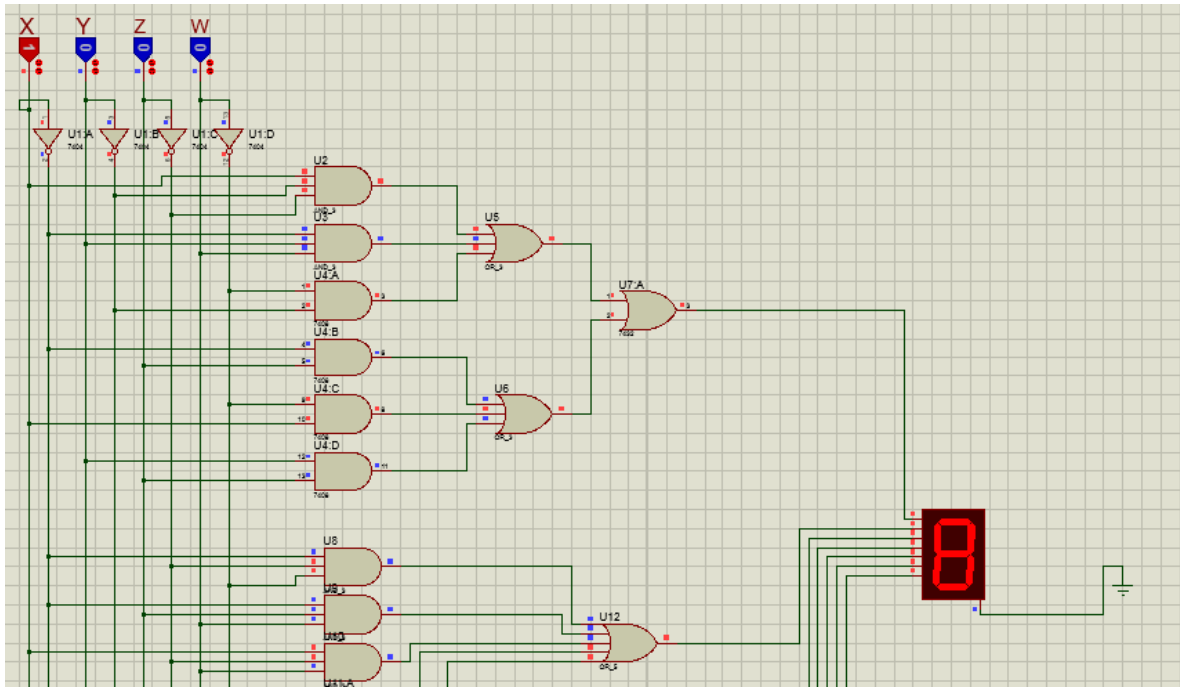
Número 6:



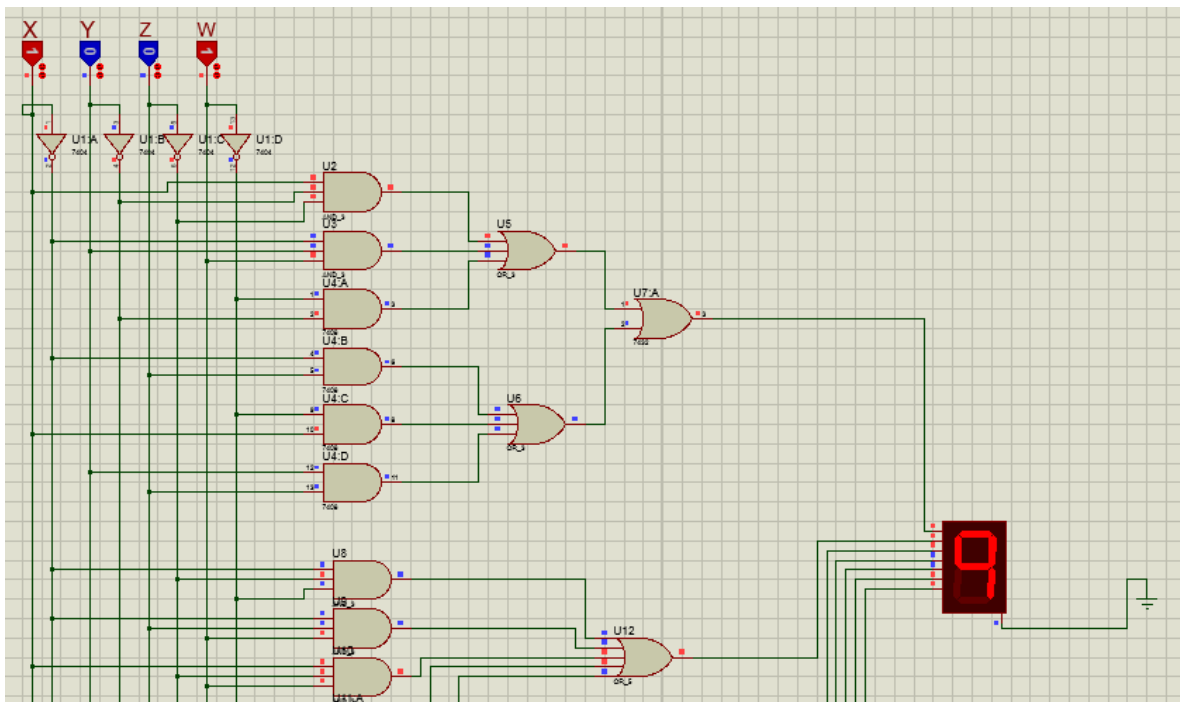
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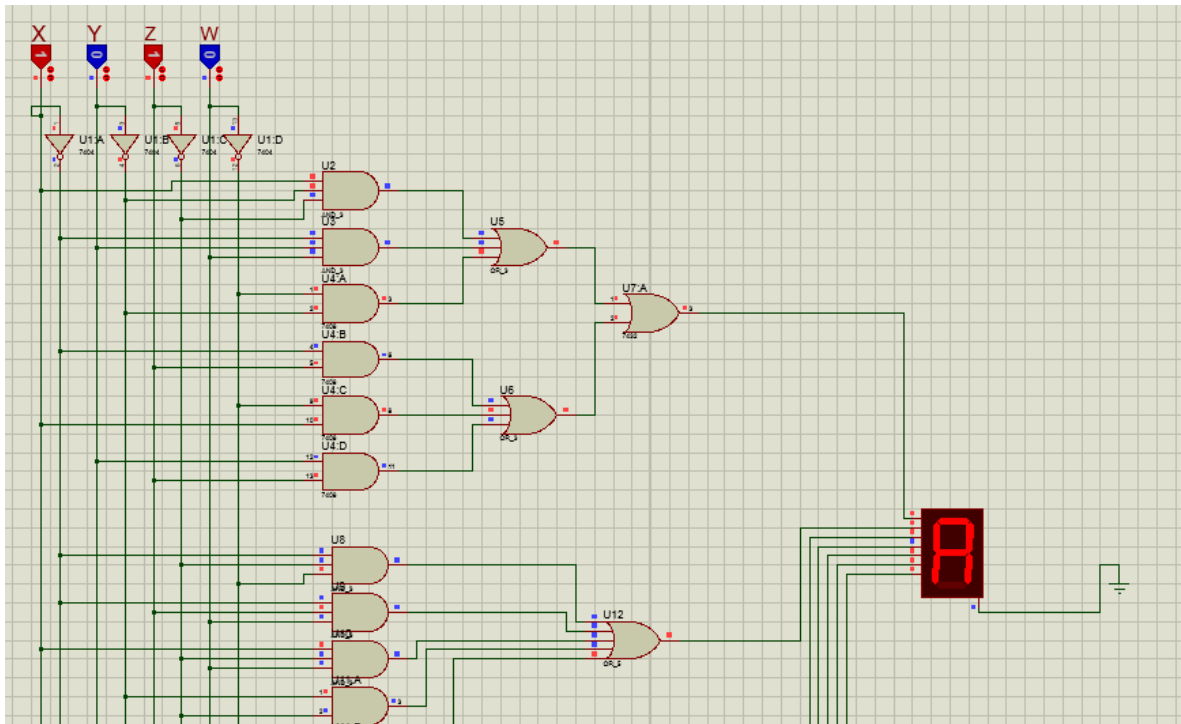
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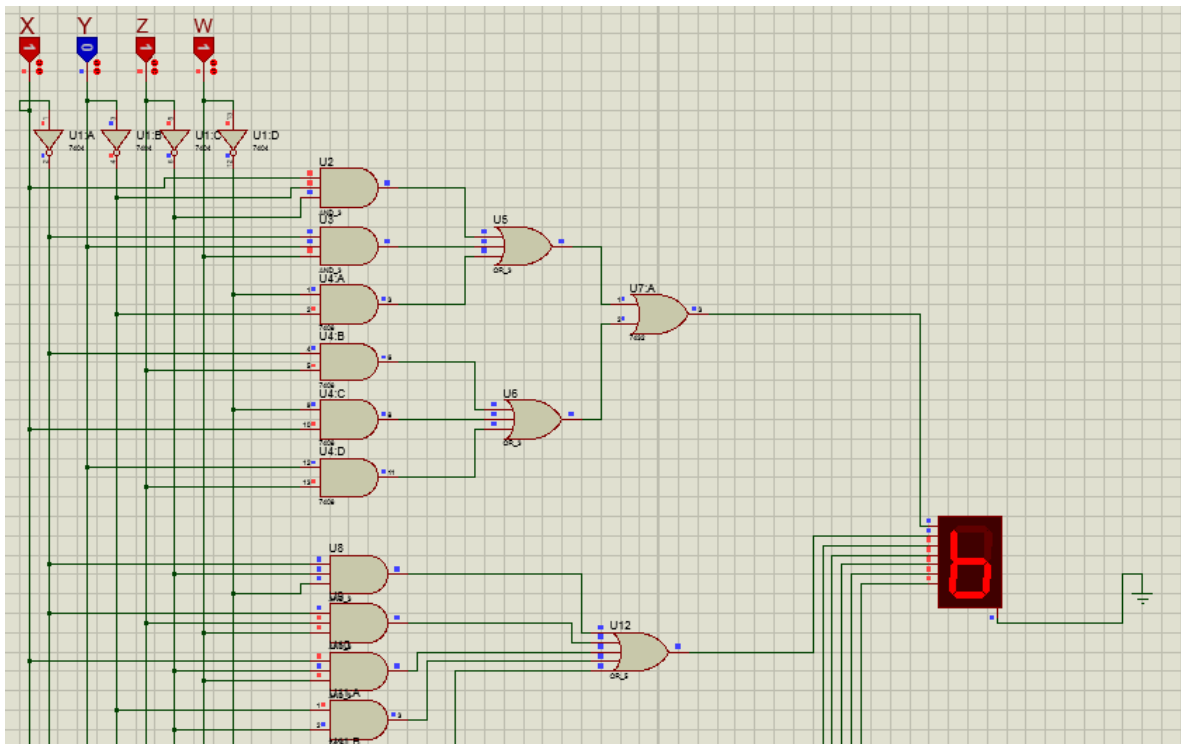
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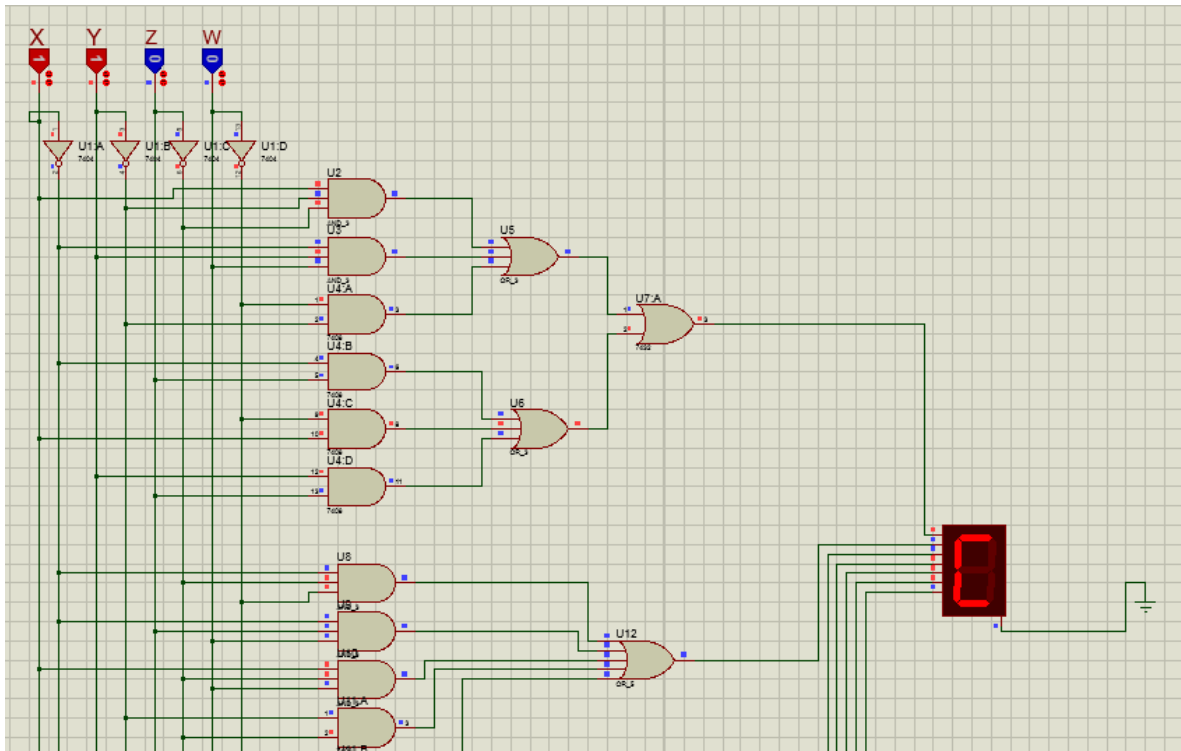
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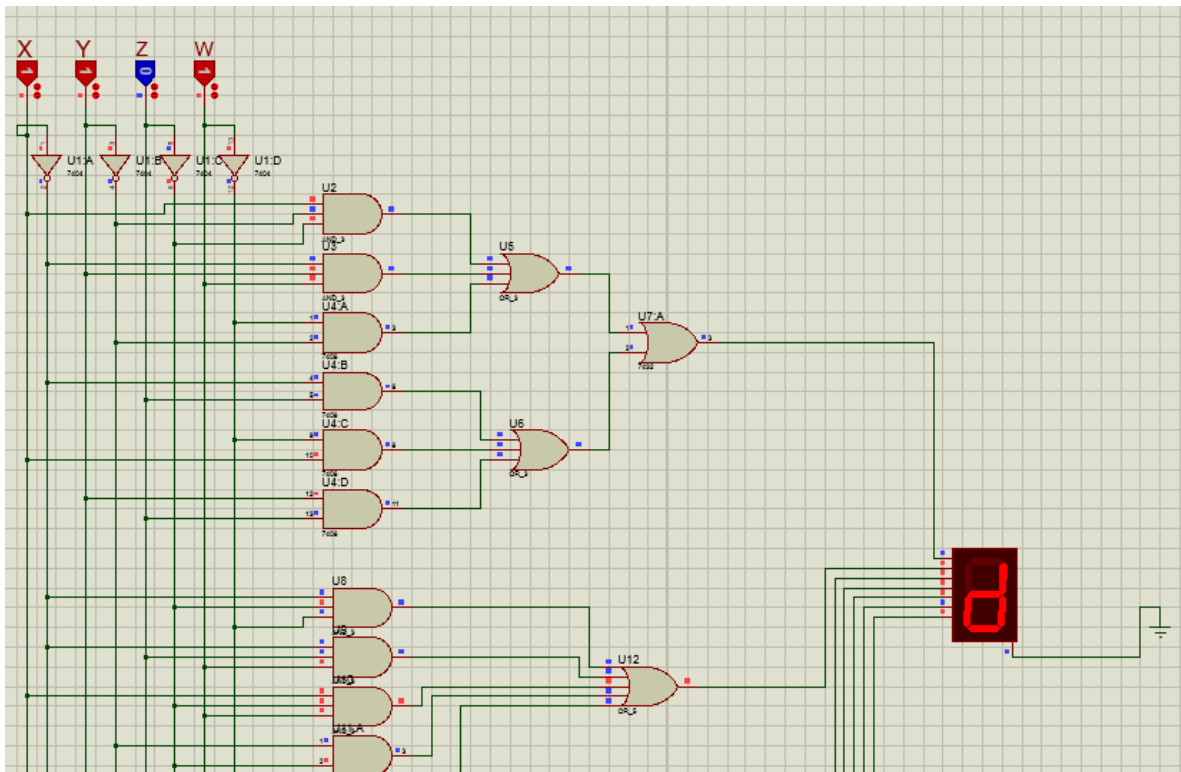
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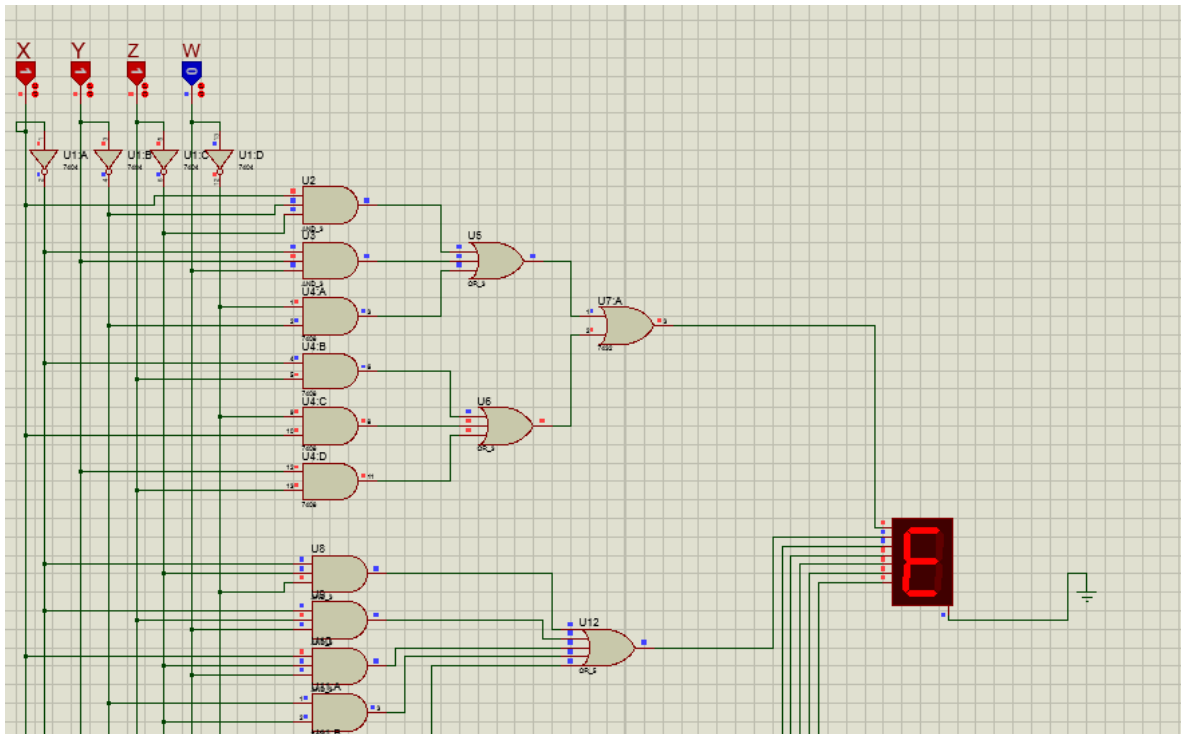
Número 12:



Número 13:



Número 14:



Número 15:

