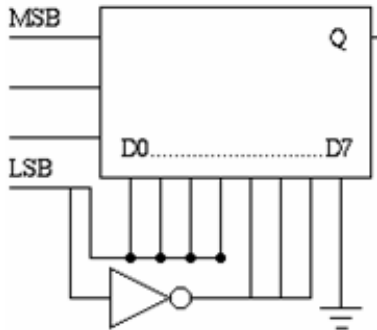


1.)

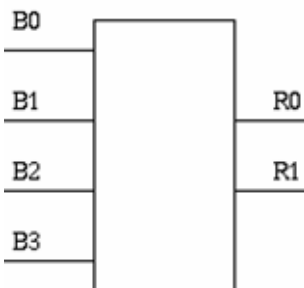
Tabela mesecev: pokaži, da smo tabelo 16 realizirali le 3-bitnim multiplekserjem. Zakaj to gre! 0-0 1-1 gre direkt drugače invert.



Q		B0	B1	B2	B3
1 jan	D0	1	0	0	0
0 feb	D1	0	1	0	0
1 mar	D1	1	1	0	0
0 apr	D2	0	0	1	0
1 maj	D2	1	0	1	0
0 juni	D3	0	1	1	0
1 julij	D3	1	1	1	0
1 avg	D4	0	0	0	1
0 sep	D4	1	0	0	1
1 okt	D5	0	1	0	1
0 nov	D5	1	1	0	1
1 dec	D6	0	0	1	1

D.N. Naredi realizacijo vezja, ki bo dalo 1, če je število praštevilo.

2.) encoder (2 bitni)



$$R0 = (\overline{B_0} \overline{B_2}) \cdot (B_1 + B_3) = \overline{(B_0 + B_2)} \cdot (B_1 + B_3)$$

$$R1 = (\overline{B_0} \overline{B_1}) \cdot (B_2 + B_3) = \overline{(B_3 + B_2)} \cdot (B_2 + B_3)$$

R1 R0	B0	B1	B2	B3

0 0	1	0	0	0
0 1	0	1	0	0
1 0	0	0	1	0
1 1	0	0	0	1

B2B3\B0B1	00	01	11	10	B2B3\B0B1	00	01	11	10
00	0	1	0	0	00	0	0	0	0
01	1	0	0	0	01	1	0	0	0
11	0	0	0	0	11	0	0	0	0
10	0	0	0	0	10	1	0	0	0

3.) dekodeer

Naredi 2 bitni dekodeer