

Truth Table

greater than
4 and even

K-map

A ₃	A ₂	A ₁	A ₀	F
0	0	0	0	0
0	0	0	1	0
0	0	1	0	0
0	0	1	1	0
0	1	0	0	0
0	1	0	1	0
0	1	1	0	1
0	1	1	1	0
1	0	0	0	1
1	0	0	1	0
1	0	1	0	1
1	0	1	1	0
1	1	0	0	1
1	1	0	1	0
1	1	1	0	1
1	1	1	1	0
2 ³	2 ²	2 ¹	2 ⁰	

A ₃ A ₂ \ A ₁ A ₀	00	01	11	10
00	0	0	0	0
01	0	0	0	1
11	1	0	0	1
10	1	0	0	1

$$F = (A_3 A_2 A_1 A_0) = \Sigma(7, 9, 11, 13, 15)$$

$$F = A_3 A_0' + A_2 A_1 A_0'$$

