Trabalho Prático 1

Filipe de Araújo Mendes - 2021031920

Universidade Federal de Minas Gerais (UFMG)
Belo Horizonte - MG - Brasil

flipeara@ufmg.br

1. Forma Canônica

1.1. BCD[3]

BCD[3] = Σm(8, 9, 10, 11, 12, 13, 14, 15)

1.2. BCD[2]

BCD[2] = Σm(4, 5, 6, 7, 12, 13, 14, 15)

1.3. BCD[1]

BCD[1] = Σm(2, 3, 6, 7, 10, 11, 14, 15)

1.4. BCD[0]

BCD[0] = Σm(1, 3, 5, 7, 9, 11, 13, 15)

2. Produto de Somas

2.1. BCD[3]

BCD[3] = (g3)

2.2. BCD[2]

BCD[2] = (g3 + g2) (g3' + g2')

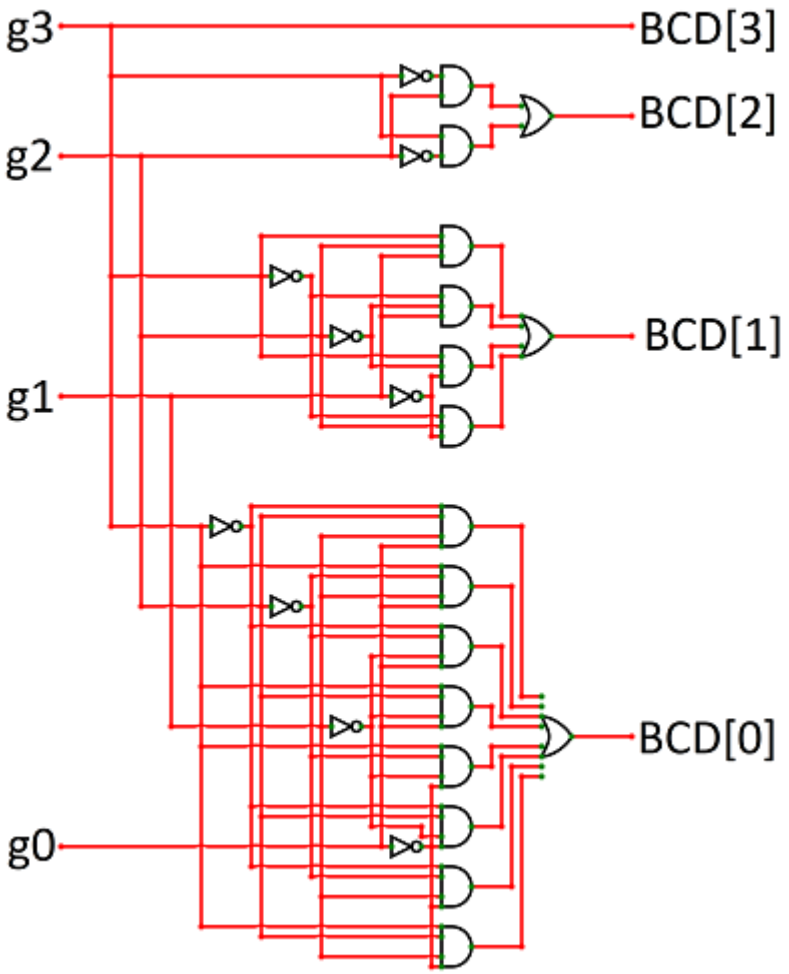
2.3. BCD[1]

BCD[1] = (g3 + g2 + g1) (g3 + g2' + g1') (g3' + g2 + g1') (g3' + g2' + g1)

2.4. BCD[0]

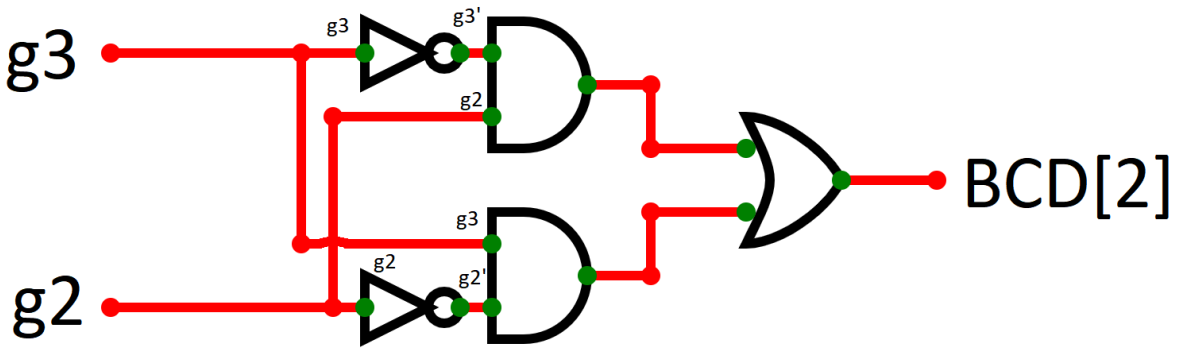
BCD[0] = (g3 + g2 + g1 + g0) (g3 + g2 + g1' + g0') (g3 + g2' + g1 + g0') (g3 + g2' + g1' + g0) (g3' + g2 + g1 + g0') (g3' + g2 + g1' + g0) (g3' + g2' + g1 + g0) (g3' + g2' + g1' + g0')

3. Circuito

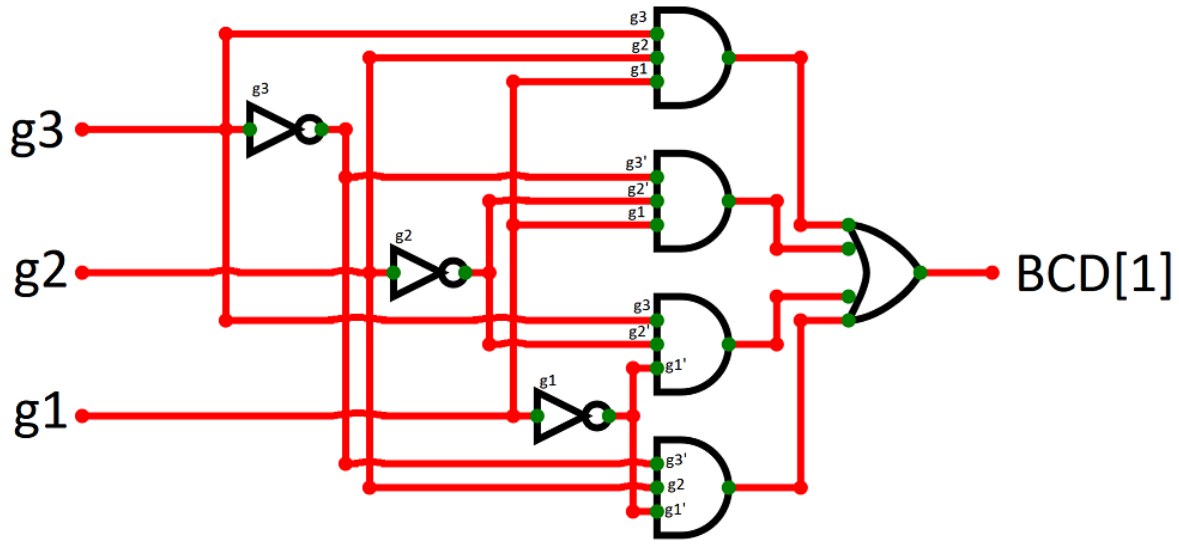


3.1. BCD[3]

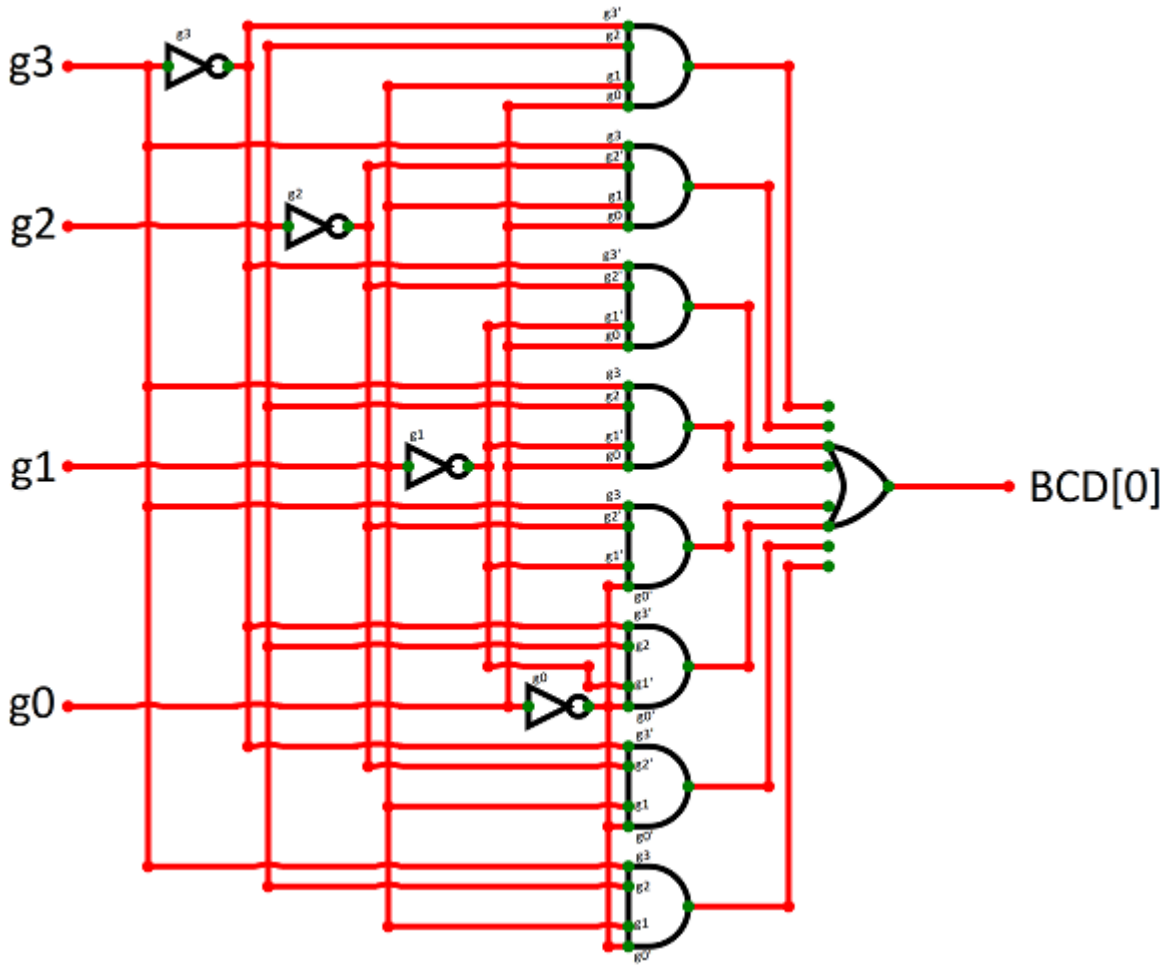
3.2. BCD[2]



3.3. BCD[1]



3.4. BCD[0]



3. Formas de Onda