DEC	BCD 8421	BCD 7421	BCD 5211	2421
0	0000	0000	0000	0000
1	0001	0001	0001	0001
2	0010	0010	0011	0010
3	0011	0011	0101	0011
4	0100	0100	0111	0100
5	0101	0101	1000	1011
6	0110	0110	1001	1100
7	0111	1000	1011	1101
8	1000	1001	1101	1110
9	1001	1010	1111	1111

BCD 8421

```
Decimal   1    5    0
          ↓    ↓    ↓
BCD    0001 0101 0000
```

EXCESSO DE 3

DECIMAL	BCD 8421 A	B	C	D
0	0	0	1	1
1	0	1	0	0
2	0	1	0	1
3	0	1	1	0
4	0	1	1	1
5	1	0	0	0
6	1	0	0	1
7	1	0	1	0
8	1	0	1	1
9	1	1	0	0

XS3

```
Decimal   6     2
         +3    +3
         ──    ──
          9     5
          ↓     ↓
XS3    1001   0101
```

XS3

```
XS3    1000      1100
      - 0011    - 0011
       ──────    ──────
BCD    0101      1001
          ↓        ↓
Decimal  5        9
```

CÓDIGO GRAY

DECIMAL	BCD 8421 A	B	C	D
0	0	0	0	0
1	0	0	0	1
2	0	0	1	1
3	0	0	1	0
4	0	1	1	0
5	0	1	1	1
6	0	1	0	1
7	0	1	0	0
8	1	1	0	0
9	1	1	0	1
10	1	1	1	1
11	1	1	1	0
12	1	0	1	0
13	1	0	1	1
14	1	0	0	1
15	1	0	0	0

```
Binário 0   0   1   0
        ↓   ↓   ↓   ↓
Gray    0   0   1   1
```

```
Gray    1   0   0   1
        ↓   ↓   ↓   ↓
Binário 1   1   1   0
```

2 ENTRE 5

DECIMAL	BCD 8421				
	A	B	C	D	E
0	0	0	0	1	1
1	0	0	1	0	1
2	0	0	1	1	0
3	0	1	0	0	1
4	0	1	0	1	0
5	0	1	1	0	0
6	1	0	0	0	1
7	1	0	0	1	0
8	1	0	1	0	0
9	1	1	0	0	0

CóDIGO 9876543210

DEC	9	8	7	6	5	4	3	2	1	0
0	0	0	0	0	0	0	0	0	0	1
1	0	0	0	0	0	0	0	0	1	0
2	0	0	0	0	0	0	0	1	0	0
3	0	0	0	0	0	0	1	0	0	0
4	0	0	0	0	0	1	0	0	0	0
5	0	0	0	0	1	0	0	0	0	0
6	0	0	0	1	0	0	0	0	0	0
7	0	0	1	0	0	0	0	0	0	0
8	0	1	0	0	0	0	0	0	0	0
9	1	0	0	0	0	0	0	0	0	0

CóDIGO JOHNSON

DECIMAL	BCD 8421				
	A	B	C	D	E
0	0	0	0	0	0
1	0	0	0	0	1
2	0	0	0	1	1
3	0	0	1	1	1
4	0	1	1	1	1
5	1	1	1	1	1
6	1	1	1	1	0
7	1	1	1	0	0
8	1	1	0	0	0
9	1	0	0	0	0