

→ 8421 → 15

→ Binary Code → 15 → 1111
 → 16 → 10000
 → 20 → 10100



0+9 → 99



→ 8421 → 0-9
 → 0111 → Sequential

	8	4	2	1
0 →	0	0	0	0
1 →	0	0	0	1
2 →	0	0	1	0
...				
9 →	1	0	0	1

8421
 → 1111 X Not Valid
 15

excess-3 → extra 3 → excess 3
 8421 → excess 3
 0 → 0000 → 0011
 1 → 0001 → 0100
 2 → 0010 → 0101
 9 → 1001 → 1100

Excess-3 → Sequential
 → Self Complementary

Excess
 (3) → 0110 → 3
 1's → 1001 → 6

3321 → Self Complementary

8421
 (6) → 1001

	3	3	2	1
0 →	0	0	0	0
1 →	0	0	0	1
2 →	0	0	1	0
3 →	0	0	1	1
4 →	0	1	0	1
5 →	1	0	1	0
6 →	1	1	0	0

3 ← 1000
 0100
 0011

4 ← 1001
 0101

5 → 1010
 0110

5 →	1	0	1	0	←
6 →	1	1	0	0	←
7 →	1	1	0	1	
8 →	1	1	1	0	
9 →	1	1	1	1	←

5 → 1010
 6 → 0110