

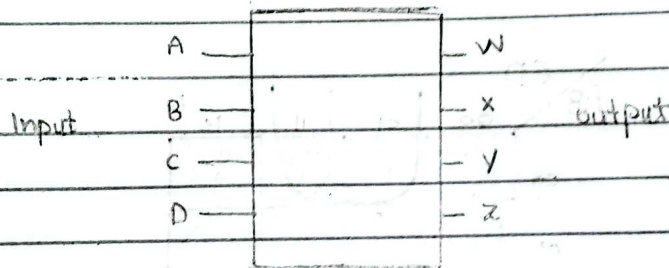
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Design Procedure of BCD to
Excess-3 code Converter.



→ This is Truth Table for Code
Conversion Example.

Input BCD						Output Excess-3			
	A	B	C	D	Decimal ↓	w	x	y	z
0	0	0	0	0	0+3=3	0	0	1	1
1	0	0	0	1	1+3=4	0	1	0	0
2	0	0	1	0	2+3=5	0	1	0	1
3	0	0	1	1	3+3=6	0	1	1	0
4	0	1	0	0	4+3=7	0	1	1	1
5	0	1	0	1	5+3=8	1	0	0	0
6	0	1	1	0	6+3=9	1	0	0	1
7	0	1	1	1	7+3=10	1	0	1	0
8	1	0	0	0	8+3=11	1	0	1	1
9	1	0	0	1	9+3=12	1	1	0	0