

DeMorgan Transformations:

Steps:

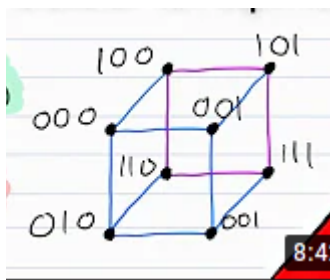
1. Double *not* the whole thing
2. Do DeMorgan to break one not (leaving with one above)
3. Simplify if possible

Gray Codes:

	b[3:0]	g[3:0]
	0000	0000
	0001	0001
	0010	0011
	0011	0010
	0100	0110
	0101	0111
	0110	0101
	0111	0100
	1000	1100
	1001	1101
	1010	1111
	1011	1110
	1100	1010
	1101	1011
	1110	1001
	1111	1000

Figure D-1. Binary versus gray code

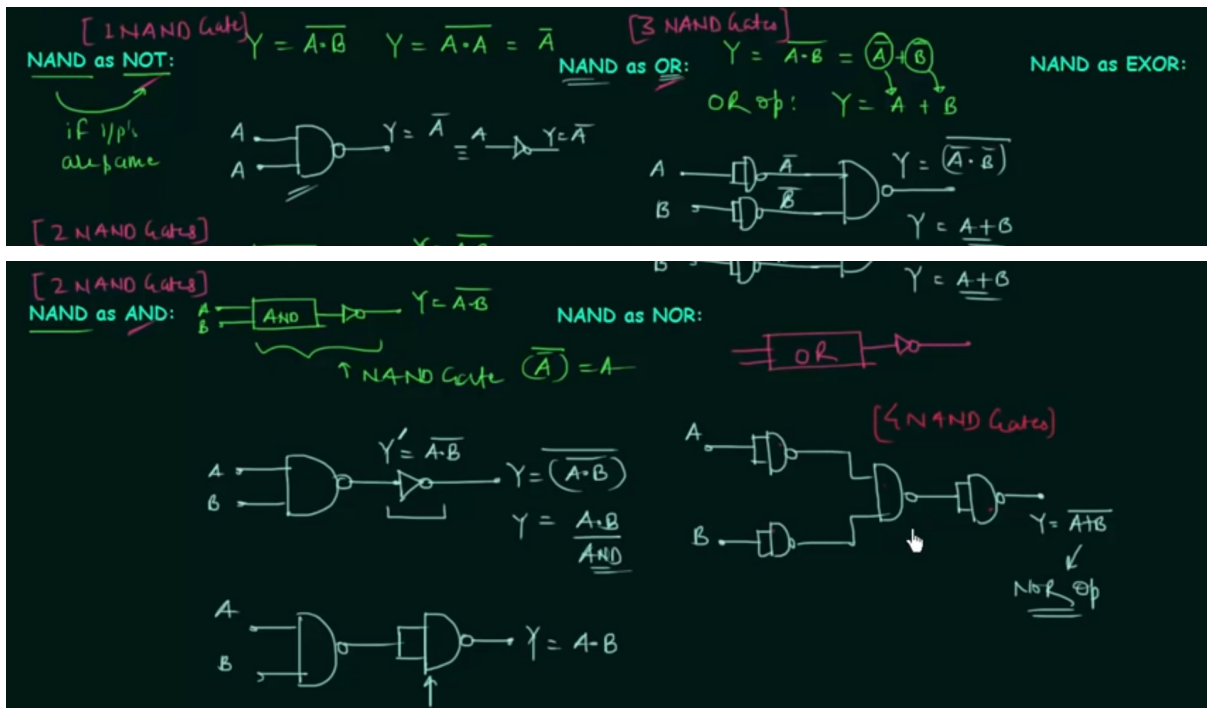
Q3 n-cube:



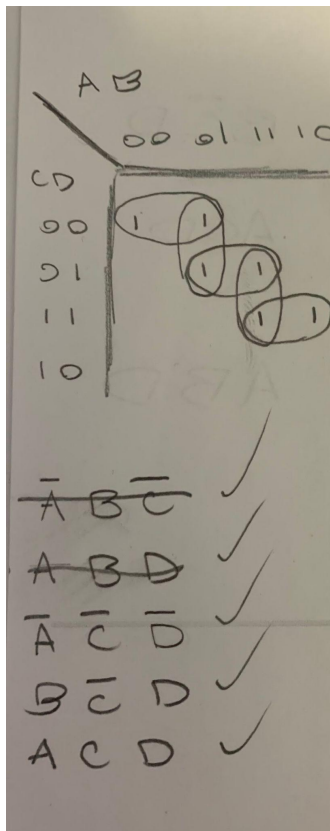
Example Karnaugh Map:

		BC			
A		00	01	11	10
	0	0 0	1 1	0 3	1 2
	1	1 4	1 5	0 7	0 6

Nand Gate Emulation:



Karnaugh Map to Solve Ghost Proof/Simplification:



Steps:

- Draw Standard Karnaugh Map
- Eliminate any circles that overlap to eliminate redundancies

Misc. Notes:

- Only create rectangles with side length powers of 2 (eg. 1,2,4,8)

Writing and Note Taking Space: