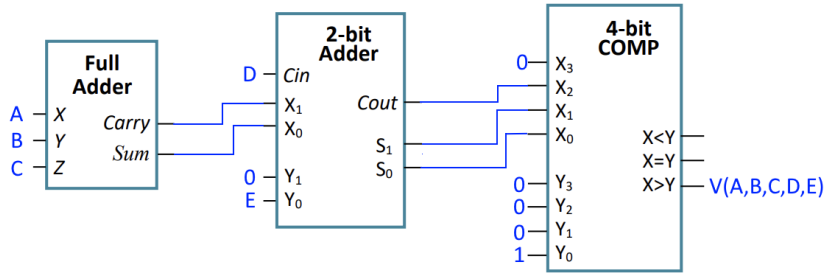


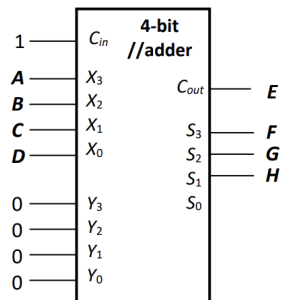
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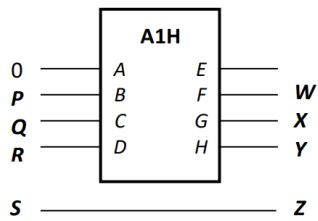
Q1. Solution:



Q2. (a.) Solution:



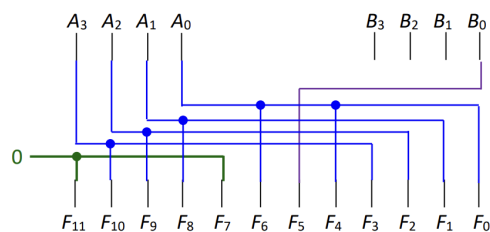
(b.) Solution:



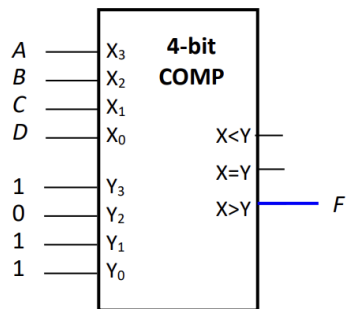
Q3. $F_3F_2F_1F_0 = 1A_2A_1A_0$

Q4. Solution:

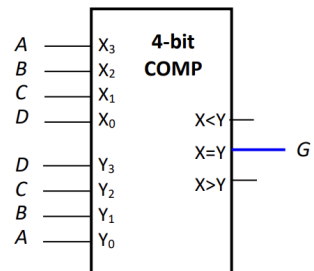
A				5×A									
A ₃	A ₂	A ₁	A ₀										
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	1	0	0	1	1
0	0	1	0	0	0	0	1	0	0	0	0	0	0
0	0	1	1	0	0	0	1	0	1	0	0	1	1
0	1	0	0	0	0	0	1	0	0	0	0	0	0
0	1	0	1	0	0	0	1	0	0	1	0	1	1
0	1	1	0	0	0	0	1	1	0	0	0	0	0
0	1	1	1	0	0	0	1	1	0	1	0	1	1
1	0	0	0	0	0	1	0	0	0	0	0	0	0
1	0	0	1	0	0	1	0	0	0	1	0	1	1



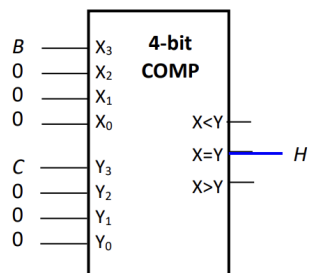
Q5. (a.) Solution:



(b.) Solution:



(c.) Solution:



(d.) Solution:

