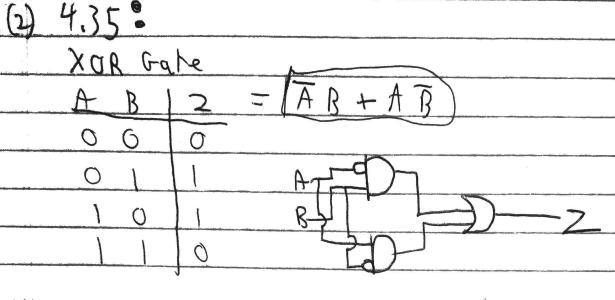
Soaif Ahmed 9/23/19 661925946 ahmeds 7 LOCO HWF3 a) A: Exyz(1,3,5,6,7) 72 + xx + 2 (0, 1, 6, 7, 8, 9, 14, 15) YZ a o 01 11 C: Exyz (0,1,2,4)



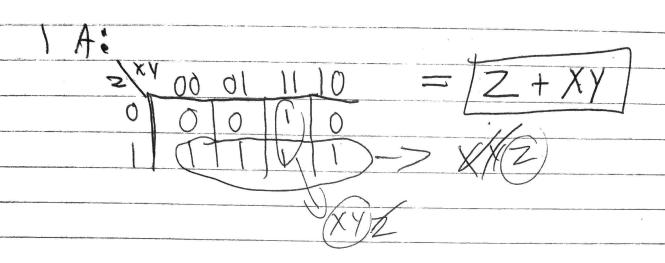
3) 4,39:

2 input NAND's alone do not make a complete set. This is because NAND filter out only 1. NAND cannot filter out o. You have to at least have inverters to filter the o. Though when you add an inverter you example have a NAND and NOR

4.41:

2 input XIIOR does not make a complete
set of logic gotes. X NOR is inappable as
Filtering I or O. Hso X Nor is derived from
a combination of AND, OR, and inverters. There
are the complete set used to make X NOR, XNOR
is not a complete set however.

HW #3 Re-Submission



* prev. Submission I forgot about the 4 corners 2x1

3) 4,39:
AND, OR, and NOT make a complete set
because they have fiftering of I, O, and the inversion
ability. A NAMD must be able to do all of these
in at least 1 configuration for each.
Inversion
A = 2
ATTO A' GIL
OR PBZ
A-100 060
-Do-2 0 1 1
R-EDO 101
ANV
ASSET HR 2
A

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