OLD Hw #8 Brian Faure 150003563

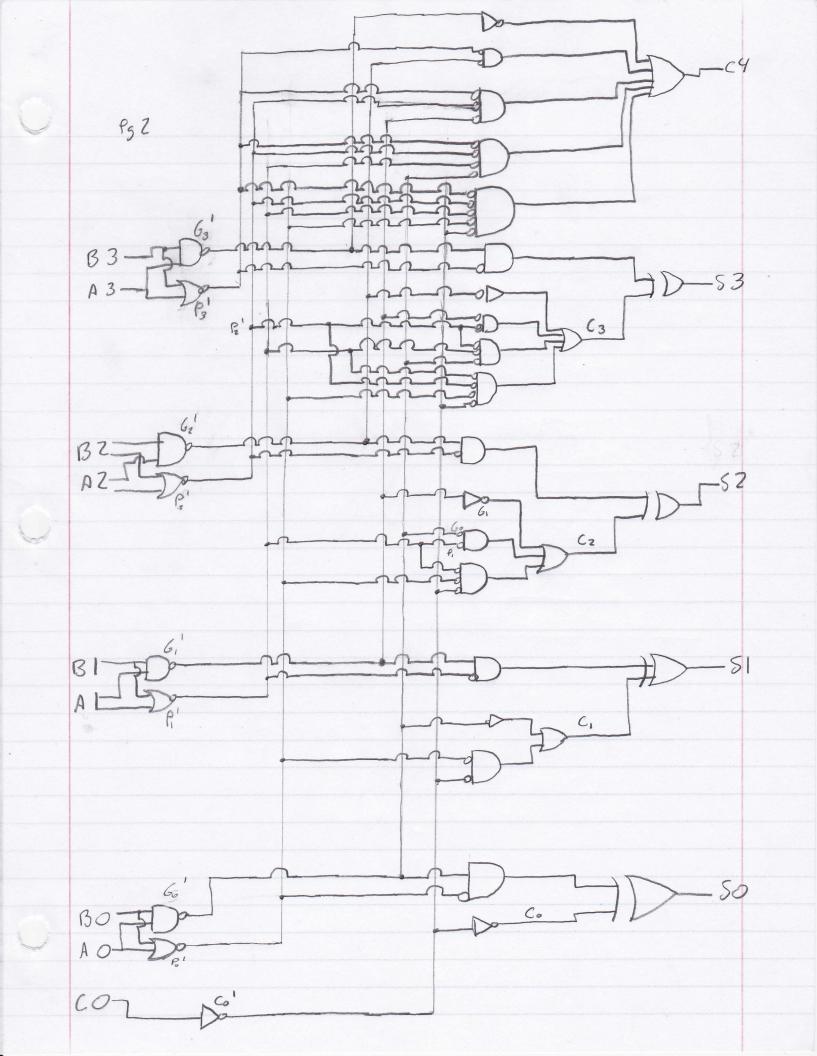
- #1) Det Top for the following ...
 - a.) So Read Backwards XOR & AND & Inv. & NOR 3005 2005 1005 1005 30+20+10+10=50+20= Frons Delay for So
 - b.) S. XOR, AND, OR, INU, NAND 30+20+20+10+10=50+40=[90nsfors.]
 - (.) Sz XOR, AND, OR, Inv., NAND 30 +20+20+10+10 = 90ns for Sz
 - d.) S3 XOR, AND, OR, JON, JON 30 + 20 + 20 + 10 + 10 = 9005 for 53
 - e.) C4 AND, OR, Inv., Inv. 20+20+10+10=6005 Delay for C4
- #7) Draw Logic Circuit For the following ...

$$C_{1} = g_{0} + (P_{0} C_{0})$$

$$C_{2} = g_{1} + (P_{1} g_{0}) + (P_{1} P_{0} C_{0})$$

$$C_{3} = g_{2} + (P_{2} g_{1}) + (P_{2} P_{1} g_{0}) + (P_{2} P_{1} P_{0} C_{0})$$

$$C_{4} = g_{3} + (P_{3} g_{2}) + (P_{3} P_{2} g_{1}) + (P_{3} P_{2} P_{1} g_{0}) + (P_{3} P_{2} P_{1} P_{0} C_{0})$$



Pg 3

