Problem1

Kathyn Chamberlin 1208871114 EEE1BS HW#5

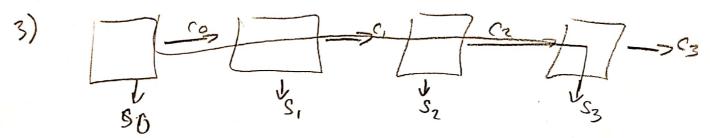
$$S_1 = C_0 + S_1 = 175 + 190$$

= $365PS$

0

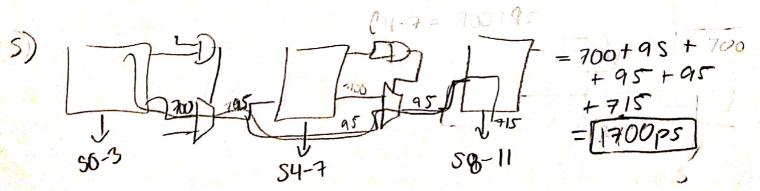
$$C_1 = C_0 + C_1 = 175+175$$

= $350p5$



$$S_3 = C_0 + C_1 + C_2 + S_3 = 175 + 175 + 175 + 170 = \boxed{715ps}$$

 $C_3 = C_0 + C_1 + C_2 + C_3 = 175 + 175 + 175 + 175 = \boxed{700ps}$



Problem 2 (2) a) A Go G Cz Cz 60 40 40 = 180 mux = 60 60 = 180+60+60= 300 C3 C4 C5 C6 S7 = 210
40 40 40 90 = \$300+\$10
= \$510PS b) A o C o C 1 = 100 + mux + mux + Cs+ C + 87 = 100 + 60 + 60 + 130 = 350ps= 470 ps 461+ 11 461+ 12 461+ CRA CRA 514,15 S10-13 32-5 50,1

delay = As Co (- 100+60+60+60+60+ C13 C14 S15 +130

+470PS

a) R1-7 R3= 50+270+50+50 1- R3-7R1=50+270+50 TZ 420 ps 10 0-6-2-12 = 370

22-783= SO+ 200,+50+50 | 23-782 = SO+ 220+50 = 770

b) tog-to, w/toz=to,

not worked about set up Motathun, worked about had time

R3-7 R1-30 +70+30

R3-7 R2 - 30 +60+30

= 120

1) h, 7 k3 = 36 + 106 + 20+30 R = 180 R2-7R3-30 + 96 H 20130 = 170

2) R3 delay = 63 patris P1-7R3

R1-7R3=170

3) R3-7R2 or R2-7K3

R37R1 = 30+60 + 8 = thold

 $n_2 + n_3 = 36 + 96 + 20 + 8 = 150.1d$ $8 \le 96ps$

c) ter-tes ul ter=ter

R1 723 7+82 tp+ tp+tp+tsu

delay varin

7+90 Z SOQ +770 + SO + SO

T Z 330

N3-7R1690 7-82 tr +73+ tsu =50+270x50=72 460ps Rating not affice 727n++c+70+tsu=272350