

# ECGR 2181 - Notes 10/15/08

Assume

$$a = \begin{pmatrix} 0 \\ 1 \\ 1 \\ 1 \end{pmatrix} \quad b = \begin{pmatrix} 1 \\ 1 \\ 1 \\ 1 \end{pmatrix}$$

at One

We know  
solution is  
= 10110

$a_3 a_2 a_1 a_0$	$b_3 b_2 b_1 b_0$	$CO_3 S_3$	$CO_2 S_2$	$CO_1 S_1$	$CO_0 S_0$	
0 0 0 0	0 0 0 0	0 0	0 0	0 0	0 0	-2us
0 1 1 1	1 1 1 1	0 0	0 0	0 0	0 0	0us
0 1 1 1	1 1 1 1	0 1	0 1	0 1	0 0	2us
		1 0	1 1	1 1	1 0	4us
		1 0	1 1	1 1	1 0	6us