MA162: Finite mathematics

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SCHEDULE:

- HW B3 is due Sunday, Mar 7th, 2010.
- HW C1 is due Monday, Mar 29th, 2010.
- Exam 2 is Monday, Mar 8th, 5:00pm-7:00pm.
- My office hours are Tuesday and Thursday, 2:30pm-4:00pm in CB63
- No class Mar 16th, Mar 18th (Spring Break)

Today we will review for the exam

4.2: Quiz review

Minimize C = 3u + 4v subject to $u + v \ge 5$, $2u + v \ge 6$, $u \ge 0$, $v \ge 0$. Dual table and row ops:

x	у	и	V	Ρ	RHS	(Ratio)		X	у	и	V	Ρ	RHS
1	2	1	0	0	3	(3)	R_2-R_1	1	2	1	0	0	3
1	1	0	1	0	4	(4)	$\overrightarrow{R_3+5R_1}$	0	-1	-1	1	0	1
$\overline{-5}$	-6	0	0	1	0			0	4	5	0	1	15

Dual:

Max
$$P = 15$$

at $(x = 3, y = 0)$
Slacks $(u = 0, v = 1)$

Primal:

Min
$$C = 15$$

at $(u = 5, v = 0)$
Slacks $(x = 0, y = 4)$