In class 7/29/2004

1 The tableau below represents a solution to a linear programming problem that satisfies the optimality criterion, but is infeasible. Use the dual simplex method to restore feasibility.

		5	6	0	0	0	
$\underline{c_B}$		x_1	x_2	x_3	x_4	x_5	$\underline{x_B}$
5	x_1	1	0	$\frac{1}{8}$	$-\frac{1}{8}$	0	$\frac{17}{4}$
6	x_2	0	1	$-\frac{1}{12}$	$\frac{5}{12}$	0	$\frac{19}{6}$
0	x_5	0	0	$-\frac{1}{8}$	$-\frac{7}{8}$	1	$-\frac{1}{4}$
		0	0	$\frac{1}{8}$	$\frac{15}{8}$	0	$\frac{161}{4}$