Math 4620/5620

PRACTICE PROBLEM FOR THE FINAL

Consider the following linear program (from HW2):

and the simplex tableau after several iterations:

	x_1	x_2	x_3	x_4	x_5	x_6	
z	1	0	-1	1	0	0	10
x_2	1	1	-1	$\frac{1}{2}$	0	0	5
x_5	5	0	0	ī	1	0	15
x_6	5	0	-3	2	0	1	30

Make a single change in the original data (that is, matrice A and vectors b,c) so that the new problem has an optimal solution (no simplex iterations are necessary to answer the question).