Homework for Lecture 13 (Due Nov. 8, 2023) of Linear Optiomization (Math 354, section 3), Spring 2023 (Dr. Z.)

In addition to problems 1,2,3,4,5,6,7 of section 3.2 (pp. 182-183) do the following

Extra problem

Use the method of pp. 166-172, illustrated by Example 1 (pp. 170-172) to predict **without** using the simplex method, what the final tableau would be if the initial tableau is

BASIC		\boldsymbol{x}	y	u	v	z	$\mid RHS$	
u		2	1	1	0	0	6	
v		1	2	0	1	0	6	•
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	ĺ	-1	-1	0	0	1	0	

and the basic variables of the final tableau (in that order, i.e. from top to bottom) are x and y.