

An Unbounded Problem

Tableau 1:

	x_1	x_2	x_3	x_4	x_5	x_6	
x_5	2	2	-3	-2	1	0	6
x_6	-6	-1	9	-1	0	1	7
	-9	-10	8	9	0	0	0

Tableau 2:

	x_1	x_2	x_3	x_4	x_5	x_6	
x_2	1	1	$-\frac{3}{2}$	-1	$\frac{1}{2}$	0	3
x_6	-5	0	$\frac{15}{2}$	-2	$\frac{1}{2}$	1	10
	1	0	-7	-1	5	0	30

Tableau 3:

	x_1	x_2	x_3	x_4	x_5	x_6	
x_2	0	1	0	$-\frac{7}{5}$	$\frac{3}{5}$	$\frac{1}{5}$	5
x_3	$-\frac{2}{3}$	0	1	$-\frac{4}{15}$	$\frac{1}{15}$	$\frac{2}{15}$	$\frac{4}{3}$
	$-\frac{11}{3}$	0	0	$-\frac{43}{15}$	$\frac{82}{15}$	$\frac{14}{15}$	$\frac{118}{3}$

An Infeasible Problem

Tableau 1:

	w_1	w_2	w_3	w_4	w_5	w_6	
w_3	-2	6	1	0	0	0	-9
w_4	-2	1	0	1	0	0	-10
w_5	3	-9	0	0	1	0	8
w_6	2	1	0	0	0	1	9
	6	7	0	0	0	0	0

Tableau 2:

	w_1	w_2	w_3	w_4	w_5	w_6	
w_3	0	5	1	-1	0	0	1
w_1	1	$-\frac{1}{2}$	0	$-\frac{1}{2}$	0	0	5
w_5	0	$-\frac{15}{2}$	0	$\frac{3}{2}$	1	0	-7
w_6	0	2	0	1	0	1	-1
	0	10	0	3	0	0	-30

Tableau 3:

	w_1	w_2	w_3	w_4	w_5	w_6	
w_3	0	0	1	0	$\frac{2}{3}$	0	$-\frac{11}{3}$
w_1	1	0	0	$-\frac{3}{5}$	$-\frac{1}{15}$	0	$\frac{82}{15}$
w_2	0	1	0	$-\frac{1}{5}$	$-\frac{2}{15}$	0	$\frac{14}{15}$
w_6	0	0	0	$\frac{7}{5}$	$\frac{4}{15}$	1	$-\frac{43}{15}$
	0	0	0	5	$\frac{4}{3}$	0	$-\frac{118}{3}$