

Basis	x_1	x_2	x_3	S_1	S_2	S_3	b_i
S_1	5.0	4.0	3.0	1.0	0.0	0.0	11.0
S_2	-2.0	-1.0	-3.0	0.0	1.0	0.0	-8.0
S_3	2.0	1.0	3.0	0.0	0.0	1.0	8.0
Z	-4.0	-2.0	-5.0	0.0	0.0	0.0	0.0

Basis	x_1	x_2	x_3	S_1	S_2	S_3	b_i
S_1	3.0	3.0	0.0	1.0	1.0	0.0	3.0
x_3	0.67	0.33	1.0	0.0	-0.33	0.0	2.67
S_3	0.0	0.0	0.0	0.0	1.0	1.0	0.0
Z	-0.67	-0.33	0.0	0.0	-1.67	0.0	13.33
Ratio	-2.0	-2.0	-1.67				

Dual simplex stoppes, fordi alle $b_i \geq 0$ (basis er nu feasible).

Skifter til primal simplex, fordi basis er feasible, og vi nu optimerer objektivet.

Basis	x_1	x_2	x_3	S_1	S_2	S_3	b_i	Ratio
S_1	3.0	3.0	0.0	1.0	0.0	-1.0	3.0	3.0
x_3	0.67	0.33	1.0	0.0	0.0	0.33	2.67	
S_2	0.0	0.0	0.0	0.0	1.0	1.0	0.0	0.0
Z	-0.67	-0.33	0.0	0.0	0.0	1.67	13.33	

Basis	x_1	x_2	x_3	S_1	S_2	S_3	b_i	Ratio
x_1	1.0	1.0	0.0	0.33	0.0	-0.33	1.0	1.0
x_3	0.0	-0.33	1.0	-0.22	0.0	0.56	2.0	4.0
S_2	0.0	0.0	0.0	0.0	1.0	1.0	0.0	
Z	0.0	0.33	0.0	0.22	0.0	1.44	14.0	

Primal simplex stoppes, fordi z-rækken ikke har negative værdier (optimal løsning).

Basis	x_1	x_2	x_3	S_1	S_2	S_3	b_i
x_1	1.0	1.0	0.0	0.33	0.0	-0.33	1.0
x_3	0.0	-0.33	1.0	-0.22	0.0	0.56	2.0
S_2	0.0	0.0	0.0	0.0	1.0	1.0	0.0
Z	0.0	0.33	0.0	0.22	0.0	1.44	14.0

Table 1: Simplex-tableauer