

	x_1	x_2	x_3	x_4	x_5	x_6	b	TR
Z	-4	-2	-3	0	0	0	0	72
x_4	1	2	1	1	0	0	12	12
x_5	2	0	2	0	1	0	16	(8)
x_6	1	4	0	0	0	1	10	10
↓	↓	↓		↓		↓		TR
Z	0	-2	1	0	2	0	32	
x_4	0	2	0	1	-1/2			
x_5	1	0	1	0	1/2			
x_6	0	4	-1	0	-1/2			
↓	↓	↓	↓	↓	↓	↓	↓	TR
Z	0	0	1/2	0	7/4	1/2	33	
x_4	0	0	1/2	1	-1/4	-1/2	3	
x_5	1	0	1	0	1/2	0	8	
x_6	0	1	-1/4	0	-1/8	1/4	1/2	

Soluções ótimas:

$$x^* \Rightarrow x_B = (x_4, x_1, x_2) = (3, 8, 1/2) \quad x_N = (x_3, x_5, x_6) = (0, 0, 0) \quad e$$

$$Z^*(x^*) = 33;$$



UFOP

	x ₁	x ₂	x ₃	x ₄	x ₅			
Z	-4	-2	-3	0	0			
x ₄	1	2	1	1	0			
x ₅	2	0	2	0	1			
x ₆	1	4	0	0	0	1	10	10
↓		↓		↓		↓		T.R.
Z	0	-2	1	0	2	0	32	
x ₄	0	2	0	1	-1/2	0	4	x ₂
x ₅	1	0	1	0	1/2	0	8	
x ₆	0	4	-1	0	-1/2	1	2	(7/4)
↓	↓		↓		↓		↓	T.R.
Z	0	0	1/2	0	7/4	1/2	33	
x ₄	0	0	1/2	1	-1/4	-1/2	3	
x ₅	1	0	1	0	1/2	0	8	
x ₆	0	1	-1/4	0	-1/8	1/4	1/2	

Solução ótima:

solmas stims:

$$x^* \mapsto \lambda \theta = (\lambda u, \lambda v, \lambda z) = (3, 8, \frac{1}{2}) \quad \lambda N \theta = (\lambda x, \lambda y, \lambda z) = (0, 0, 0) \in$$

$$Z^*(x) = 33;$$