Minimizer 2 = 1200 N1 + 850 NZ

N1 + 2N2 > 5000 5N1 + 3N2 > 12000 N1 > 0 , N2 > 0

- Vou Aplicar técnica duas Fases!!

Min 2 = 1200 N1 + 850 N2 (=)

Max 2' = - 1200 Mg - 850 MZ

Sa

My + 2x2 - M3 + M4 = 5000

5 mg + 3 mz - 45 + ng = 12000

12 Fase

Max Z1 = - My - M6

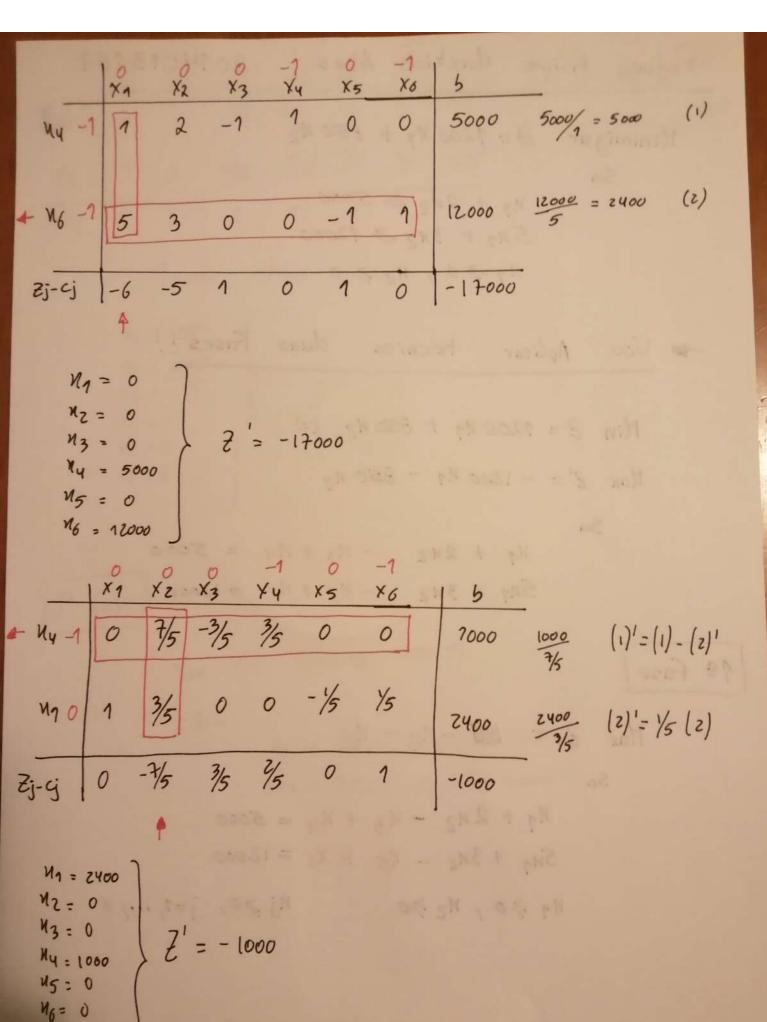
Sa

 $N_1 + 2N_2 - N_3 + N_4 = 5000$

547 + 342 - 15 + 16 = 12000

N9 70, N2 70

Nj 70, j=1,...,6



Quadro ótimo

$$117 = \frac{5000}{7}$$
 $117 = \frac{5000}{7}$
 $117 = \frac{13800}{7}$
 $117 = 0$
 $117 = 0$
 $117 = 0$
 $117 = 0$
 $117 = 0$
 $117 = 0$
 $117 = 0$
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 $117 = 0$
 $117 = 0$
 $117 = 0$
 $117 = 0$
 $117 = 0$

$$5.0.$$
 $N_1 + 2N_2 - N_3 = 5000$
 $5N_1 + 3N_2 - N_5 = 12000$

auadro Ótimo

$$M_1 = 13800$$
 $M_2 = 5000$
 $M_3 = 0$
 $M_4 = 0$
 $M_5 = 0$
 $M_6 = 0$

carità chall

. 30 8 E | 2 3 M

Ex 258 - Nr 3021 - 52 mg

and a sept and a sep

540 + 345 - 10