	x_1	x_2	x_3	x_4	x_5	x_6	
x_1	1	0	$-11/3$	$-1/3$	0	$-5/3$	$5/3$
x_5	0	0	$14/3$	$1/3$	1	$5/3$	$16/3$
x_2	0	1	$5/3$	$1/3$	0	$2/3$	$4/3$
	0	0	$55/3$	$5/3$	0	$19/3$	$-7/3$

Aplicação do método do _corte fraco_ para determinação de solução óptima do problema inteiro misto

$$f_1 = \frac{2}{3} \qquad f_2 = \frac{1}{3} \qquad f_3 = \frac{1}{3}$$

Selecção da eq. de x_1

$$d_{13} = \frac{2/3}{1-2/3}\left(-\frac{11}{3}\right) = \frac{22}{3}$$

$$d_{14} = \frac{2/3}{1-2/3}\left(-\frac{1}{3}\right) = \frac{2}{3}$$

$$d_{16} = \frac{2/3}{1-2/3}\left(-\frac{5}{3}\right) = \frac{10}{3}$$

Equação de corte $\quad \frac{22}{3}x_3 + \frac{2}{3}x_4 + \frac{10}{3}x_6 \geqslant \frac{2}{3}$

	x_1	x_2	x_3	x_4	x_5	x_6	x_7	
x_1	1	0	$-11/3$	$-1/3$	0	$-5/3$	0	$5/3$
x_5	0	0	$14/3$	$1/3$	1	$5/3$	0	$16/3$
x_2	0	1	$5/3$	$1/3$	0	$2/3$	0	$4/3$
x_7	0	0	$-22/3$	$-2/3$	0	$-10/3$	1	$-2/3$
	0	0	$55/3$	$5/3$	0	$19/3$	0	$-7/3$

	x_1	x_2	x_3	x_4	x_5	x_6	x_7	
x_1	1	0	0	0	0	0	$-1/2$	2
x_5	0	0	1	0	1	0	$1/2$	5
x_2	0	1	$2/10$	$1/5$	0	0	$2/10$	$6/5$
x_6	0	0	$22/10$	$1/5$	0	1	$-3/10$	$1/5$
	0	0	$22/5$	$2/5$	0	0	$19/10$	$-18/5$

1º Critério $\quad f_2 = 1/5 \qquad f_6 = 1/5$

2º Critério $\qquad\qquad f_{23} = 1/5 \quad f_{24} = 1/5 \quad f_{27} = 1/5$

$\qquad\qquad\qquad\qquad\qquad f_{63} = 1/5 \quad f_{64} = 1/5 \quad f_{67} = 7/10$

$\qquad \max\left\{ \dfrac{f_i}{\varepsilon f_{ij}} \right\}$

linha 2 $\qquad \left\{ \dfrac{1/5}{1/5 + 1/5 + 1/5} \right\} = \{0.33\}$

linha 6 $\qquad \left\{ \dfrac{1/5}{1/5 + 1/5 + 7/10} \right\} = \{0.18\}$

Selecção de linha ②

$d_{23} = 1/5 = a_{23}$

$d_{24} = 1/5 = a_{24}$

$d_{27} = 1/5 = a_{27}$

Eq. de corte

$\frac{1}{5} x_3 + \frac{1}{5} x_4 + \frac{1}{5} x_7 \geqslant \frac{1}{5}$

	x_1	x_2	x_3	x_4	x_5	x_6	x_7	x_8	
x_1	1	0	0	0	0	0	$-1/2$	0	2
x_5	0	0	1	0	1	0	$1/2$	0	5
x_2	0	1	$2/10$	$1/5$	0	0	$2/10$	0	$6/5$
x_6	0	0	$22/10$	$1/5$	0	1	$-3/10$	0	$1/5$
x_8	0	0	$-2/10$	$-1/5$	0	0	$-2/10$	1	$-1/5$
	0	0	$22/5$	$2/5$	0	0	$19/10$	0	$-18/5$

	x_1	x_2	x_3	x_4	x_5	x_6	x_7	x_8	
x_1	1	0	0	0	0	0	$-1/2$	0	2
x_5	0	0	1	0	1	0	$1/2$	0	5
x_2	0	1	0	0	0	0	0	1	1
x_6	0	0	2	0	0	1	$-1/2$	1	0
x_8	0	0	1	1	0	0	1	-5	1
	0	0	4	0	0	0	$3/2$	2	-4