$$\min z = 6x_1 + 3x_2 + 4x_3$$

$$-4x_1 + 3x_2 + 3x_3 \geq 2 \quad (1)$$
$$7x_1 + x_2 - 2x_3 \geq 6$$
$$x_1, x_2, x_3 \geq 0$$

$$\min z = 6x_1 + 3x_2 + 4x_3$$

$$-4x_1 + 3x_2 + 3x_3 - x_4 = 2$$
$$7x_1 + x_2 - 2x_3 - x_5 = 6$$
$$x_1, x_2, x_3, x_4, x_5 \geq 0$$

var. art. ⇓

$$\min z = \overline{x_6} + \overline{x_7}$$

$$-4x_1 + 3x_2 + 3x_3 - x_4 + \overline{x_6} = 2$$
$$7x_1 + x_2 - 2x_3 - x_5 + \overline{x_7} = 6$$
$$x_1, x_2, x_3, x_4, x_5 \geq 0$$

		x_1	x_2	x_3	x_4	x_5	$\overline{x_6}$	$\overline{x_7}$	b
(1)	z	-3	-4	-1	1	1	0	0	-8
(2)	/	-4	3	3	-1	0	1	0	2
(3)	/	7	1	-2	0	-1	0	1	6

$e_{31}(-1)$

$e_{21}(-1)$

⇓ I - ITER

		x_1	x_2	x_3	x_4	x_5	$\overline{x_6}$	$\overline{x_7}$	b
(1)	z	$-\frac{25}{3}$	0	3	$-\frac{1}{3}$	1	$\frac{4}{3}$	0	$-\frac{16}{3}$
(2)	$\overline{x_6}$	$-\frac{4}{3}$	(1)	1	$-\frac{1}{3}$	0	$\frac{1}{3}$	0	$\frac{2}{3}$
(3)	$\overline{x_7}$	$\frac{25}{3}$	0	-3	$\frac{1}{3}$	-1	$-\frac{1}{3}$	1	$\frac{16}{3}$

$e_2\left(\frac{1}{3}\right)$

$e_{23}(-1)$

$e_{21}(4)$

$e_3\left(\frac{3}{25}\right)$

$e_{32}\left(\frac{4}{3}\right)$

$e_{31}\left(\frac{25}{3}\right)$

		x_1	x_2	x_3	x_4	x_5	$\overline{x_6}$	$\overline{x_7}$	b
(1)	z	0	0	0	0	0	1	1	0
(2)	x_2	0	1	$\frac{13}{25}$	$-\frac{7}{25}$	$-\frac{4}{25}$	$\frac{7}{25}$	$\frac{4}{25}$	$\frac{58}{25}$
(3)	x_1	(1)	0	$-\frac{9}{25}$	$\frac{1}{25}$	$-\frac{3}{25}$	$-\frac{1}{25}$	$\frac{3}{25}$	$\frac{16}{25}$

		x_1	x_2	x_3	x_4	x_5	b
(1)	z	6	3	4	0	0	0
(2)	x_2	0	1	$\frac{13}{25}$	$-\frac{7}{25}$	$-\frac{4}{25}$	$\frac{53}{25}$
(3)	x_1	1	0	$-\frac{9}{25}$	$\frac{1}{25}$	$-\frac{3}{25}$	$\frac{16}{25}$

$\Rightarrow$