

$$x_1 + x_2 + x_3 \leq 4$$

$$x_1 \leq 2$$

$$x_3 \leq 3$$

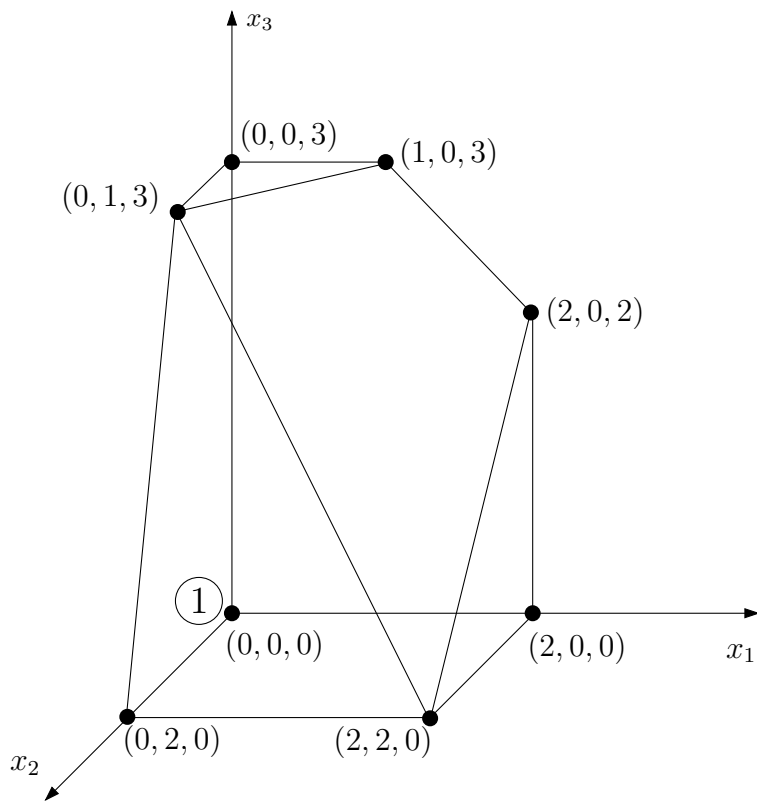
$$3x_2 + x_3 \leq 6$$

$$x_1 \geq 0$$

$$x_2 \geq 0$$

$$x_3 \geq 0$$

-34	-1	-14	-6	0	0	0	0
4	1	1	1	1	0	0	0
2	1	0	0	0	1	0	0
3	0	0	1	0	0	1	0
6	0	3	1	0	0	0	1



$$= \begin{pmatrix} x_1 & x_2 & x_3 & x_4 & x_5 & x_6 & x_7 \end{pmatrix}$$

$$= \begin{pmatrix} 0 & 0 & 0 & 4 & 2 & 3 & 6 \end{pmatrix}$$

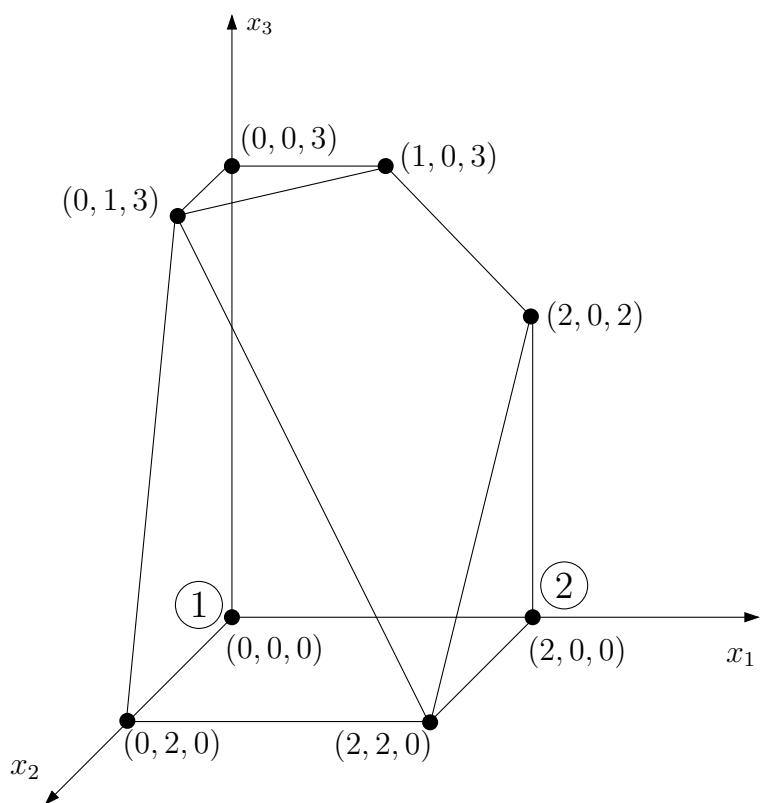
$$x_1 + x_2 + x_3 + x_4 = 4$$

$$x_1 + x_5 = 2$$

$$x_3 + x_6 = 3$$

$$3x_2 + x_3 + x_7 = 6$$

$$x_1, x_2, \dots, x_7 \geq 0$$



-34	-1	-14	-6	0	0	0	0
4	1	1	1	1	0	0	0
2	1	0	0	0	1	0	0
3	0	0	1	0	0	1	0
6	0	3	1	0	0	0	1

-32	0	-14	-6	0	1	0	0
2	0	1	1	1	-1	0	0
2	1	0	0	0	1	0	0
3	0	0	1	0	0	1	0
6	0	3	1	0	0	0	1

$$= \begin{pmatrix} x_1 & x_2 & x_3 & x_4 & x_5 & x_6 & x_7 \\ 2 & 0 & 0 & 2 & 0 & 3 & 6 \end{pmatrix}$$

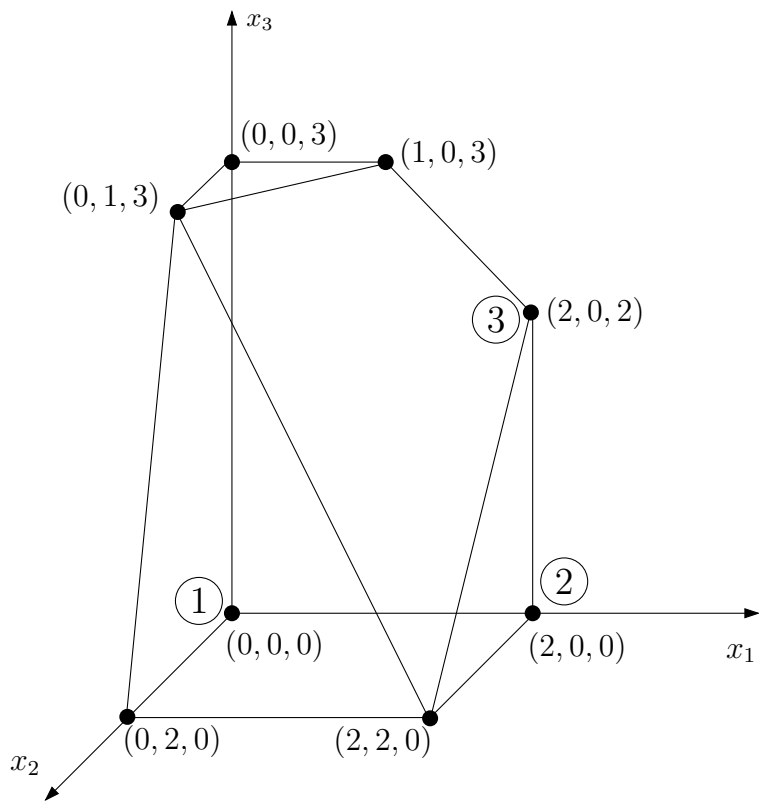
$$x_1 + x_2 + x_3 + x_4 = 4$$

$$x_1 + x_5 = 2$$

$$x_3 + x_6 = 3$$

$$3x_2 + x_3 + x_7 = 6$$

$$x_1, x_2, \dots, x_7 \geq 0$$



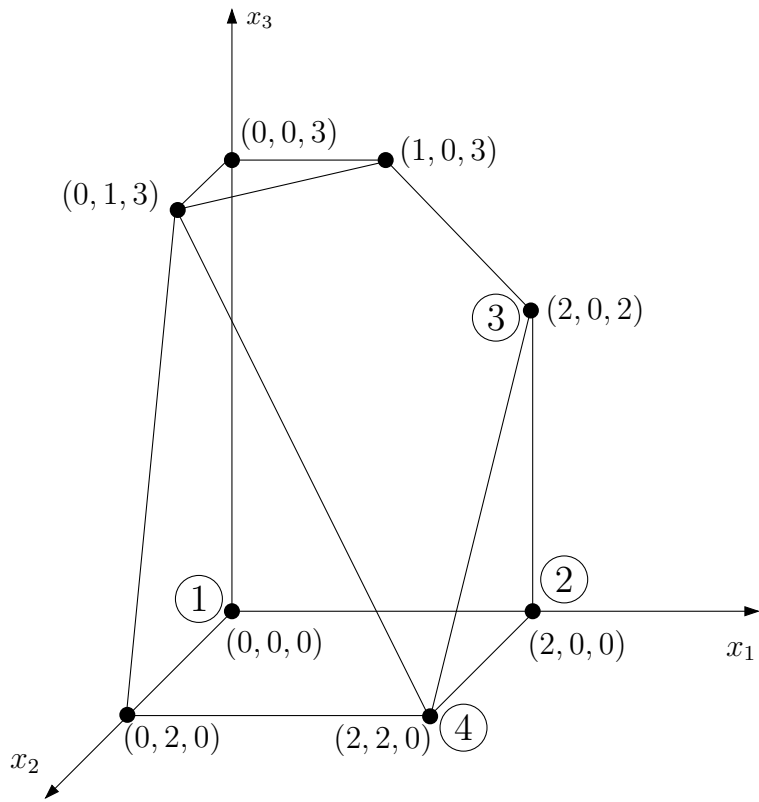
-34	-1	-14	-6	0	0	0	0
4	1	1	1	1	0	0	0
2	1	0	0	0	1	0	0
3	0	0	1	0	0	1	0
6	0	3	1	0	0	0	1

-32	0	-14	-6	0	1	0	0
2	0	1	1	1	-1	0	0
2	1	0	0	0	1	0	0
3	0	0	1	0	0	1	0
6	0	3	1	0	0	0	1

-20	0	-8	0	6	-5	0	0
2	0	1	1	1	-1	0	0
2	1	0	0	0	1	0	0
1	0	-1	0	-1	1	1	0
4	0	2	0	-1	1	0	1

$$= \begin{pmatrix} x_1 & x_2 & x_3 & x_4 & x_5 & x_6 & x_7 \\ 2 & 0 & 2 & 0 & 0 & 1 & 4 \end{pmatrix}$$

$$\begin{aligned} x_1 + x_2 + x_3 + x_4 &= 4 \\ x_1 &+ x_5 &= 2 \\ &x_3 &+ x_6 &= 3 \\ 3x_2 + x_3 &+ x_7 &= 6 \\ x_1, x_2, \dots, x_7 &\geq 0 \end{aligned}$$



$$= \begin{pmatrix} x_1 & x_2 & x_3 & x_4 & x_5 & x_6 & x_7 \\ 2 & 2 & 0 & 0 & 0 & 3 & 0 \end{pmatrix}$$

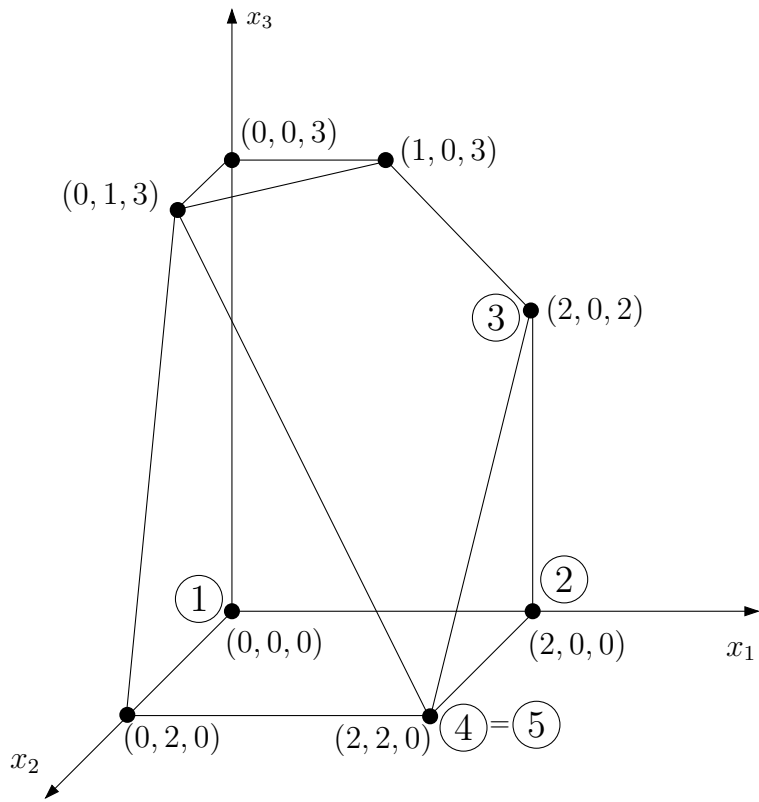
-34	-1	-14	-6	0	0	0	0
4	1	1	1	1	0	0	0
2	1	0	0	0	1	0	0
3	0	0	1	0	0	1	0
6	0	3	1	0	0	0	1

-32	0	-14	-6	0	1	0	0
2	0	1	1	1	-1	0	0
2	1	0	0	0	1	0	0
3	0	0	1	0	0	1	0
6	0	3	1	0	0	0	1

-20	0	-8	0	6	-5	0	0
2	0	1	1	1	-1	0	0
2	1	0	0	0	1	0	0
1	0	-1	0	-1	1	1	0
4	0	2	0	-1	1	0	1

-4	0	0	8	14	-13	0	0
2	0	1	1	1	-1	0	0
2	1	0	0	0	1	0	0
3	0	0	1	0	0	1	0
0	0	0	-2	-3	3	0	1

$$\begin{aligned} x_1 + x_2 + x_3 + x_4 &= 4 \\ x_1 + x_5 &= 2 \\ x_3 + x_6 &= 3 \\ 3x_2 + x_3 + x_7 &= 6 \\ x_1, x_2, \dots, x_7 &\geq 0 \end{aligned}$$



$$= \begin{pmatrix} x_1 & x_2 & x_3 & x_4 & x_5 & x_6 & x_7 \\ 2 & 2 & 0 & 0 & 0 & 3 & 0 \end{pmatrix}$$

$$\begin{aligned} x_1 + x_2 + x_3 + x_4 &= 4 \\ x_1 &+ x_5 &= 2 \\ &x_3 &+ x_6 &= 3 \\ 3x_2 + x_3 &+ x_7 &= 6 \\ x_1, x_2, \dots, x_7 &\geq 0 \end{aligned}$$

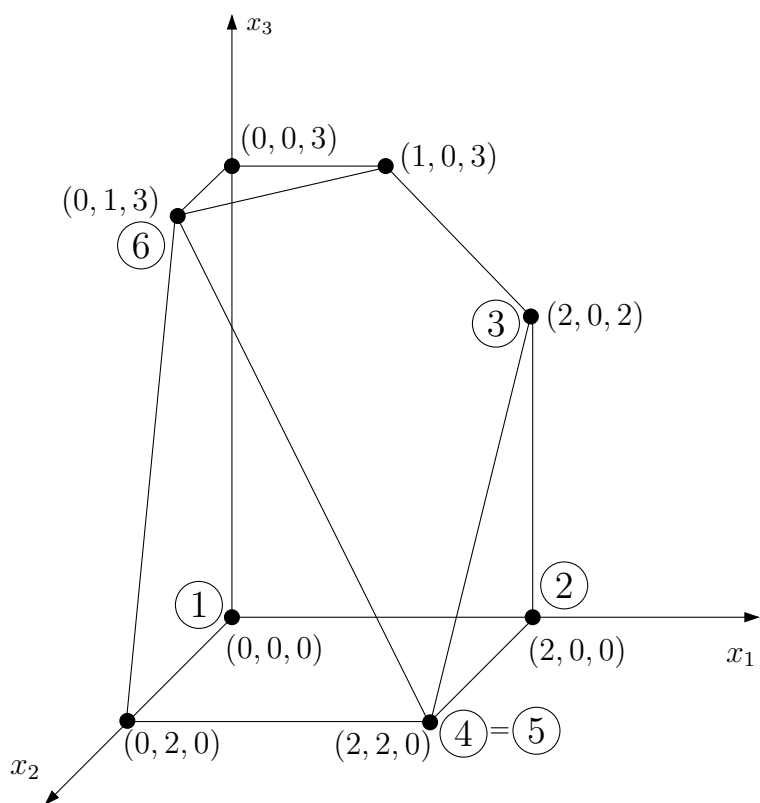
-34	-1	-14	-6	0	0	0	0
4	1	1	1	1	0	0	0
2	1	0	0	0	1	0	0
3	0	0	1	0	0	1	0
6	0	3	1	0	0	0	1

-32	0	-14	-6	0	1	0	0
2	0	1	1	1	-1	0	0
2	1	0	0	0	1	0	0
3	0	0	1	0	0	1	0
6	0	3	1	0	0	0	1

-20	0	-8	0	6	-5	0	0
2	0	1	1	1	-1	0	0
2	1	0	0	0	1	0	0
1	0	-1	0	-1	1	1	0
4	0	2	0	-1	1	0	1

-4	0	0	8	14	-13	0	0
2	0	1	1	1	-1	0	0
2	1	0	0	0	1	0	0
3	0	0	1	0	0	1	0
0	0	0	-2	-3	3	0	1

-4	0	0	-2/3	1	0	0	13/3
2	0	1	1/3	0	0	0	1/3
2	1	0	2/3	1	0	0	-1/3
3	0	0	1	0	0	1	0
0	0	0	-2/3	-1	1	0	1/3



$$= \begin{pmatrix} x_1 & x_2 & x_3 & x_4 & x_5 & x_6 & x_7 \\ 0 & 1 & 3 & 0 & 2 & 0 & 0 \end{pmatrix}$$

$$\begin{aligned} x_1 + x_2 + x_3 + x_4 &= 4 \\ x_1 + x_5 &= 2 \\ x_3 + x_6 &= 3 \\ 3x_2 + x_3 + x_7 &= 6 \\ x_1, x_2, \dots, x_7 &\geq 0 \end{aligned}$$

-34	-1	-14	-6	0	0	0	0
4	1	1	1	1	0	0	0
2	1	0	0	0	1	0	0
3	0	0	1	0	0	1	0
6	0	3	1	0	0	0	1

-32	0	-14	-6	0	1	0	0
2	0	1	1	1	-1	0	0
2	1	0	0	0	1	0	0
3	0	0	1	0	0	1	0
6	0	3	1	0	0	0	1

-20	0	-8	0	6	-5	0	0
2	0	1	1	1	-1	0	0
2	1	0	0	0	1	0	0
1	0	-1	0	-1	1	1	0
4	0	2	0	-1	1	0	1

-4	0	0	8	14	-13	0	0
2	0	1	1	1	-1	0	0
2	1	0	0	0	1	0	0
3	0	0	1	0	0	1	0
0	0	0	-2	-3	3	0	1

-4	0	0	-2/3	1	0	0	13/3
2	0	1	1/3	0	0	0	1/3
2	1	0	2/3	1	0	0	-1/3
3	0	0	1	0	0	1	0
0	0	0	-2/3	-1	1	0	1/3

-2	1	0	0	2	0	0	4
1	-1/2	1	0	-1/2	0	0	1/2
3	3/2	0	1	3/2	0	0	-1/2
0	-3/2	0	0	-3/2	0	1	1/2
2	1	0	0	0	1	0	0