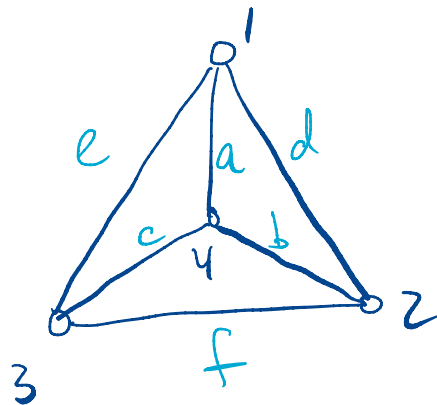
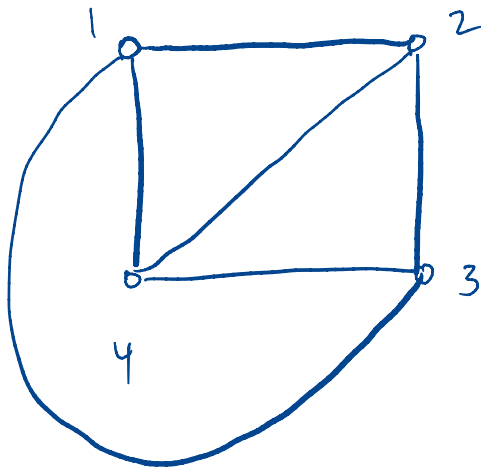


K_4 :

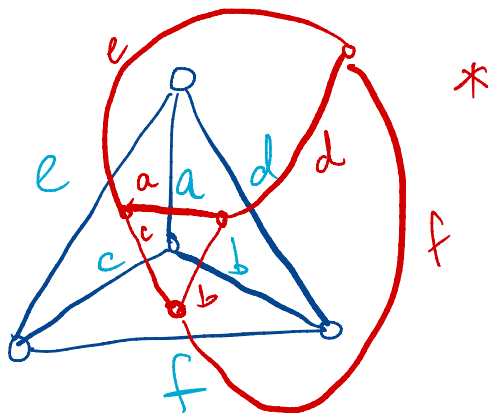


Incidence Matrix:

	a	b	c	d	e	f
1	1	0	0	1	1	0
2	0	1	0	1	0	1
3	0	0	1	0	0	1
4	0	0	0	0	0	0

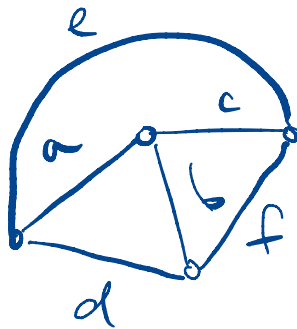
$(R_4 + R_1, R_2, R_3)$ ←

	a	b	c	d	e	f
1	1	0	0	1	1	0
2	0	1	0	1	0	1
3	0	0	1	0	1	1
4	1	1	1	0	0	0



$$M = \left[\begin{array}{ccc|ccc} a & b & c & d & e & f \\ 1 & 0 & 0 & 1 & 1 & 0 \\ 0 & 1 & 0 & 0 & 0 & 1 \\ 0 & 0 & 1 & 0 & 1 & 0 \end{array} \right]$$

I_r D



$$M = [I_r | D]$$

$$M^* = [D^T | I_{n-r}]$$

$$M^* = \left[\begin{array}{ccc|ccc} a & b & c & d & e & f \\ 1 & 1 & 0 & 1 & 0 & 0 \\ 1 & 0 & 1 & 0 & 1 & 0 \\ 0 & 1 & 1 & 0 & 0 & 1 \end{array} \right]$$

