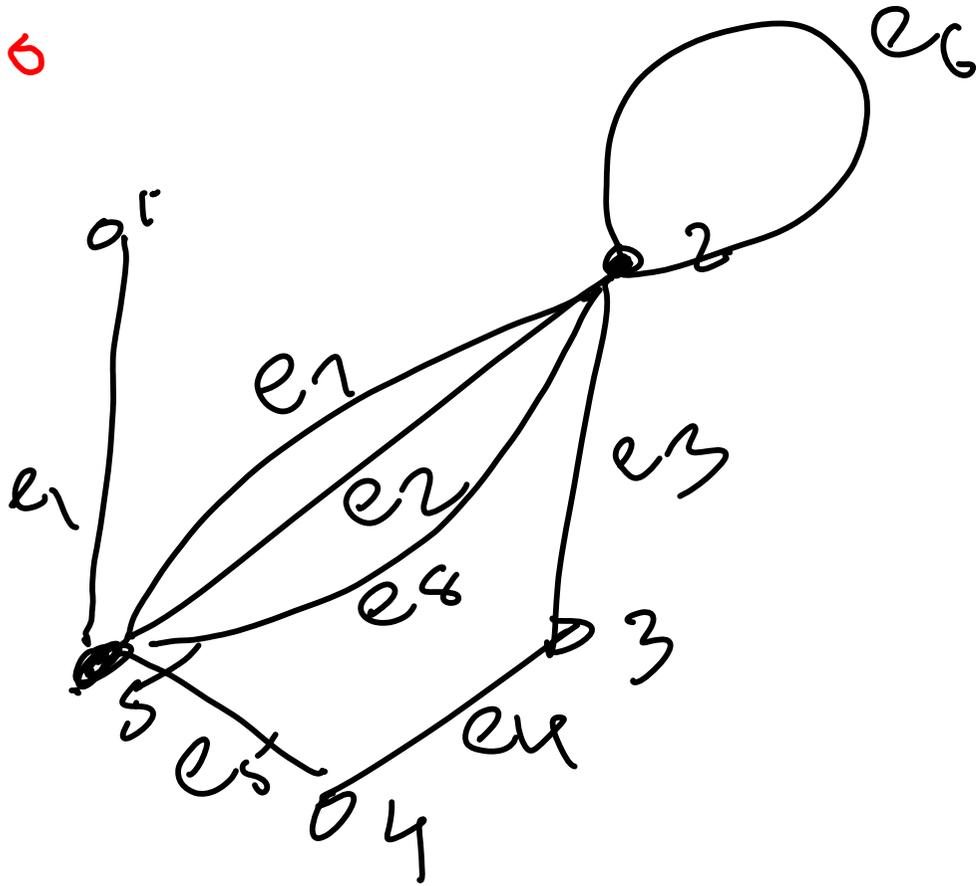
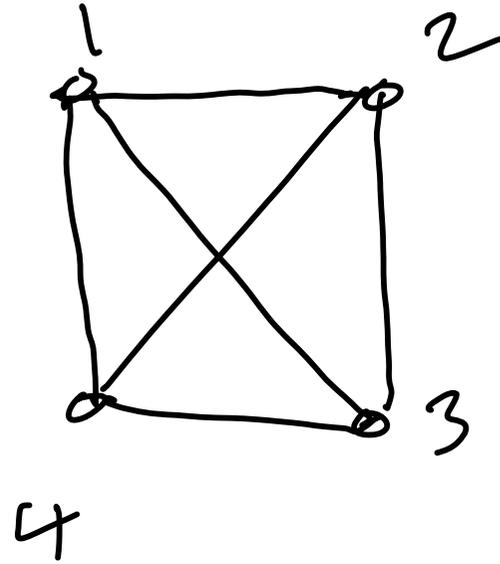
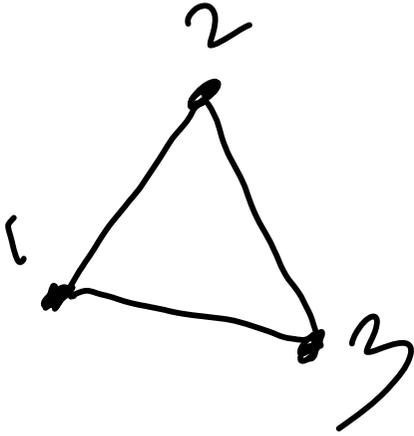
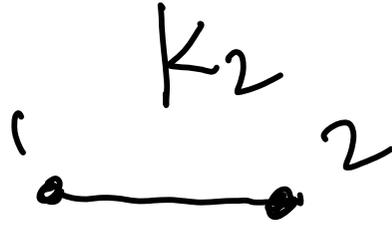


6



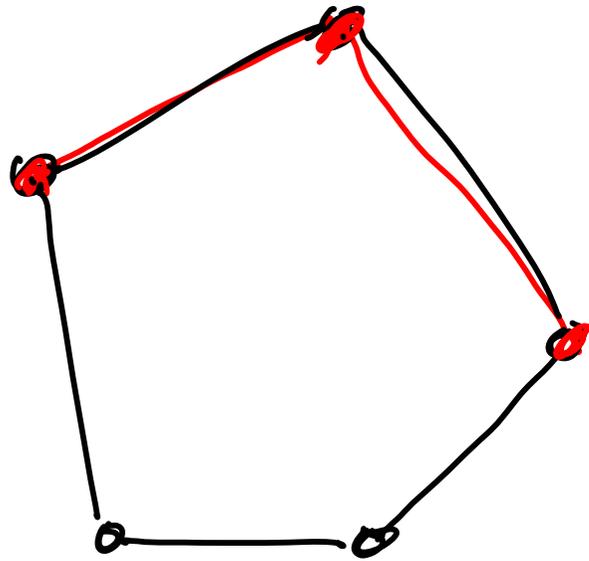


$|V(G)| = n$ then

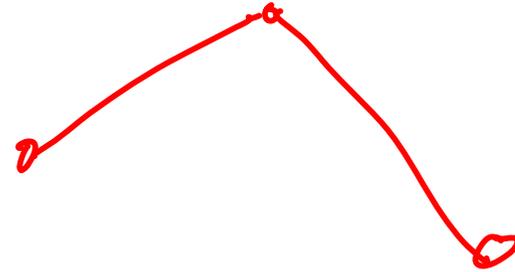
$$\binom{n}{2}$$

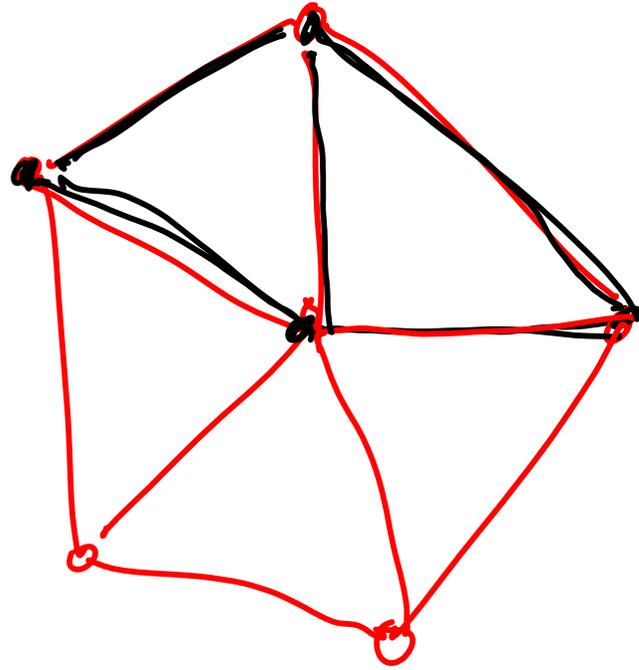
pairs of vertices
are possible.

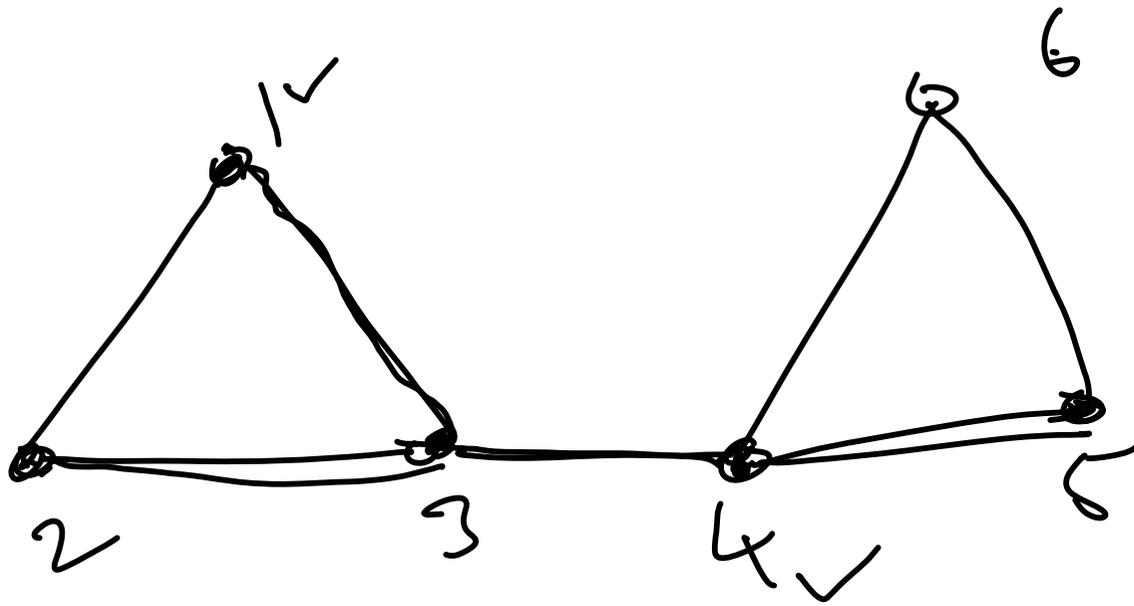
" K_n "

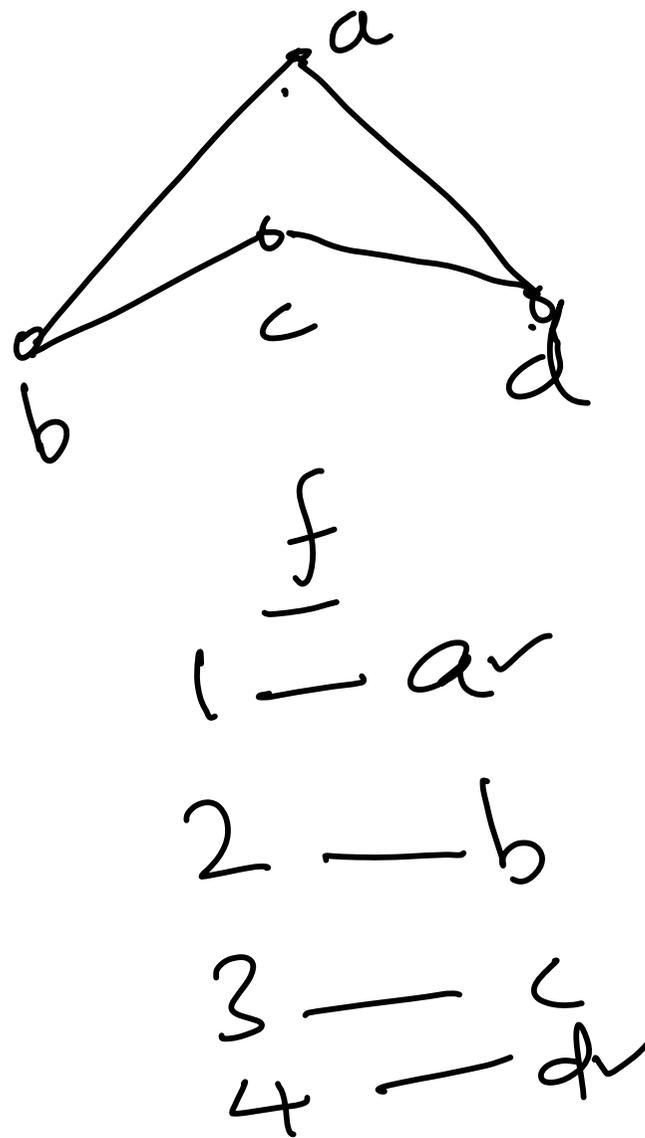
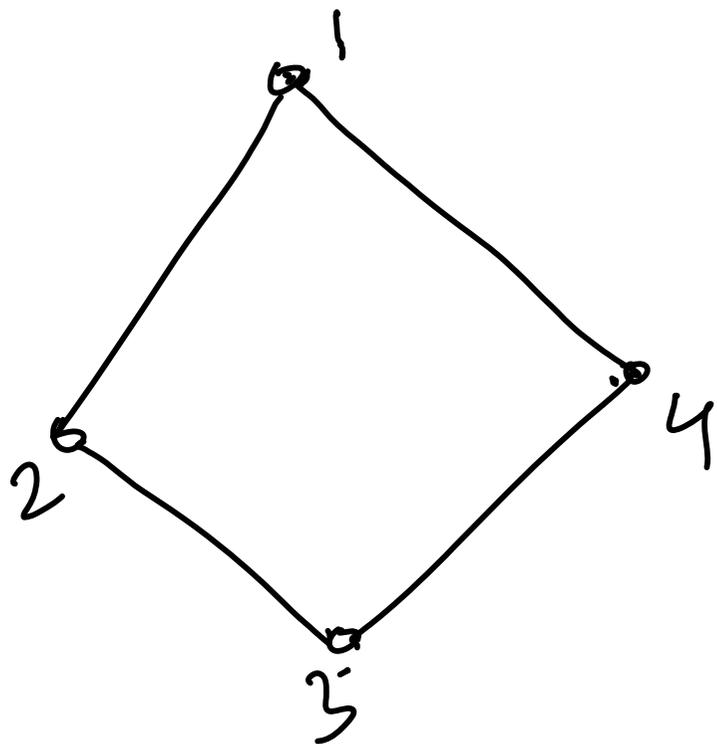


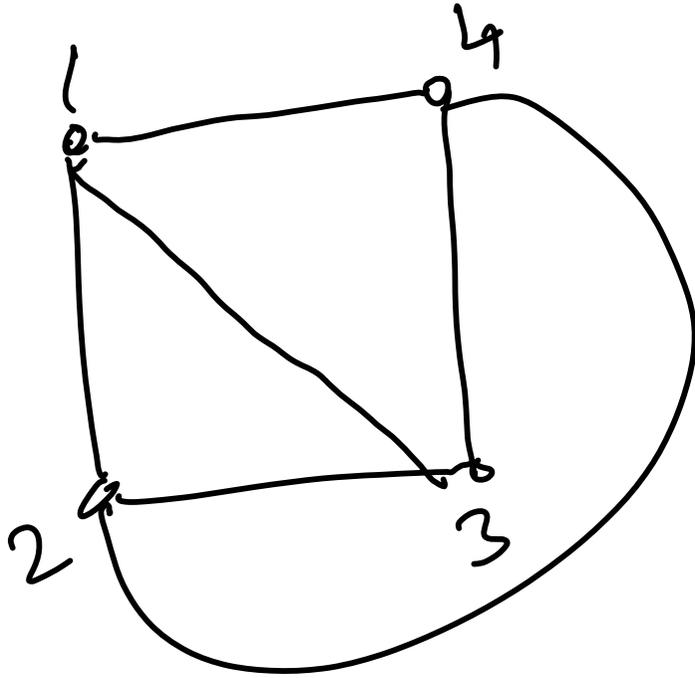
\cup_n



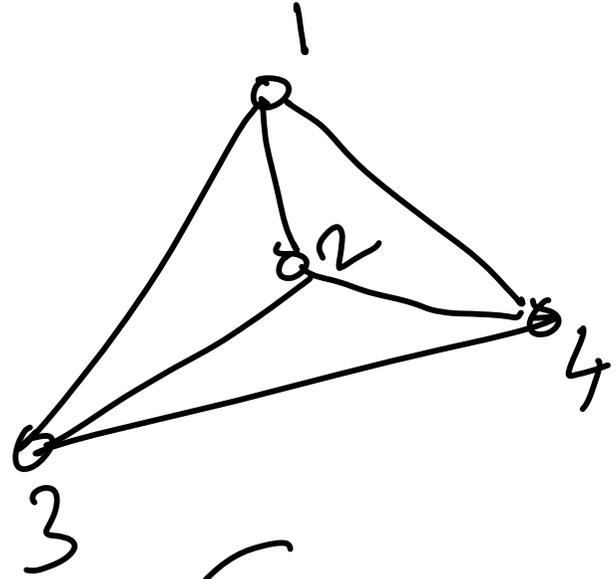




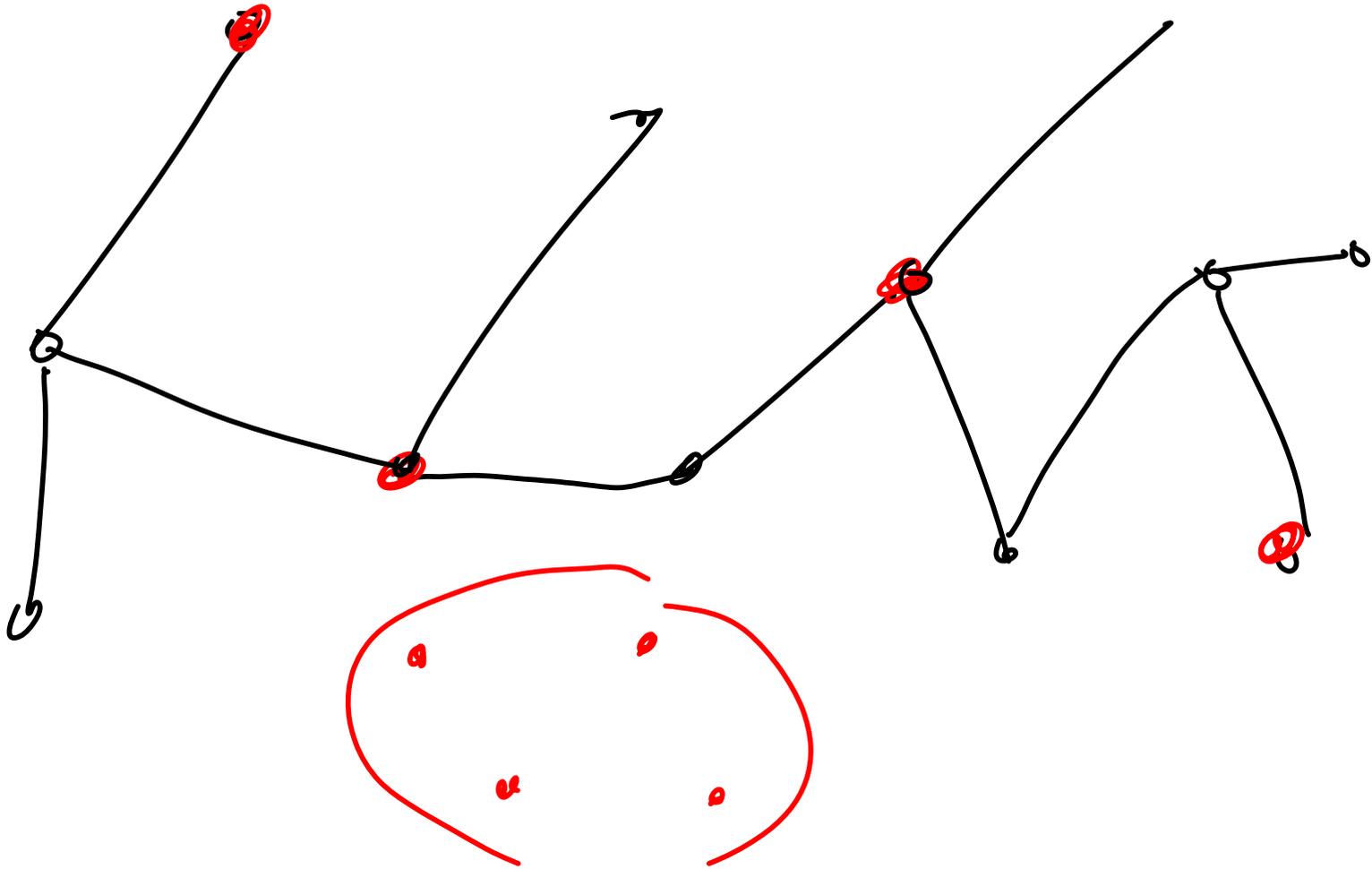


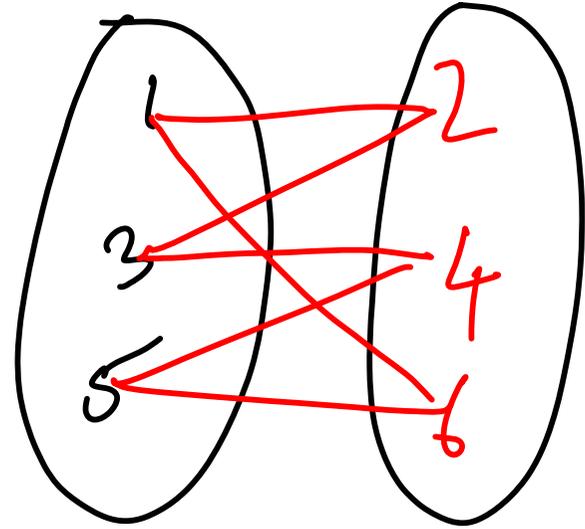
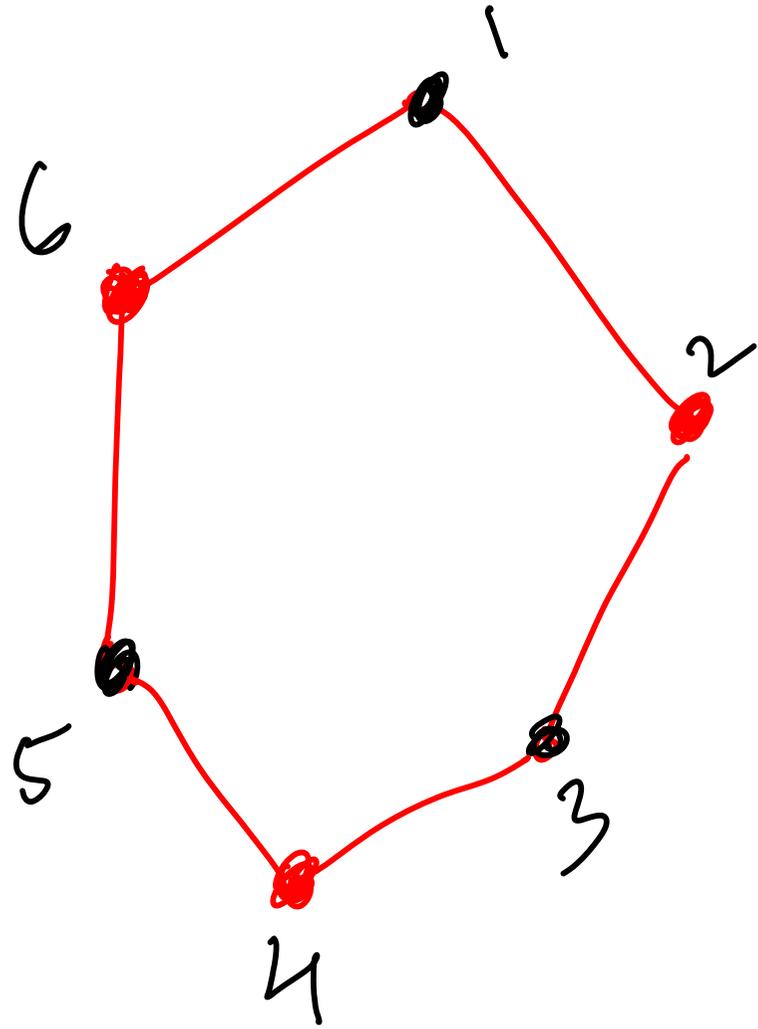


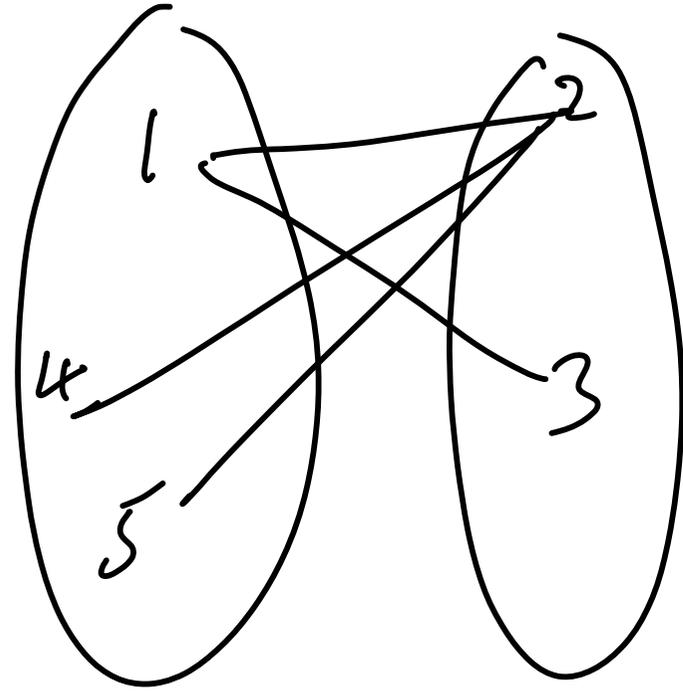
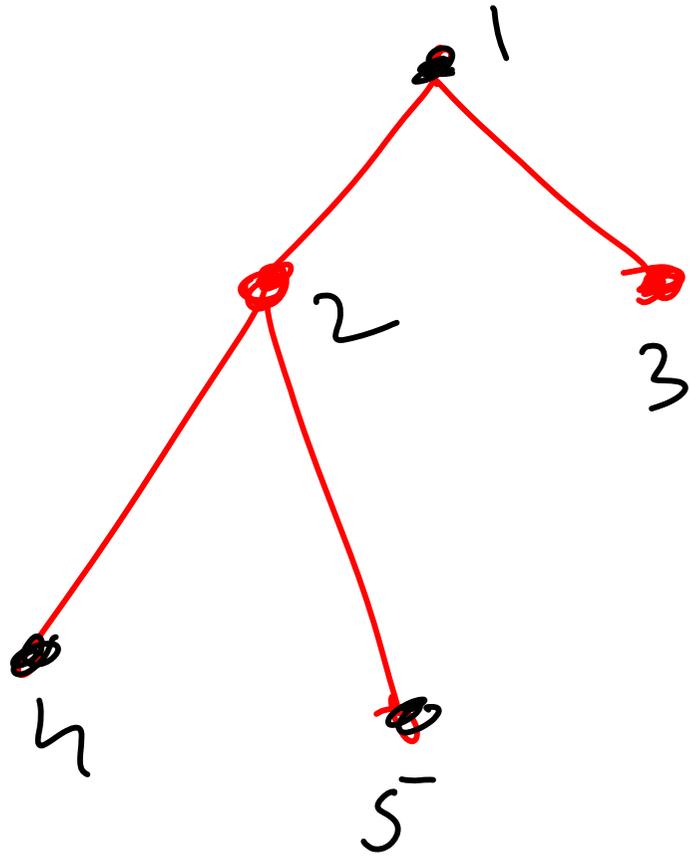
G_1

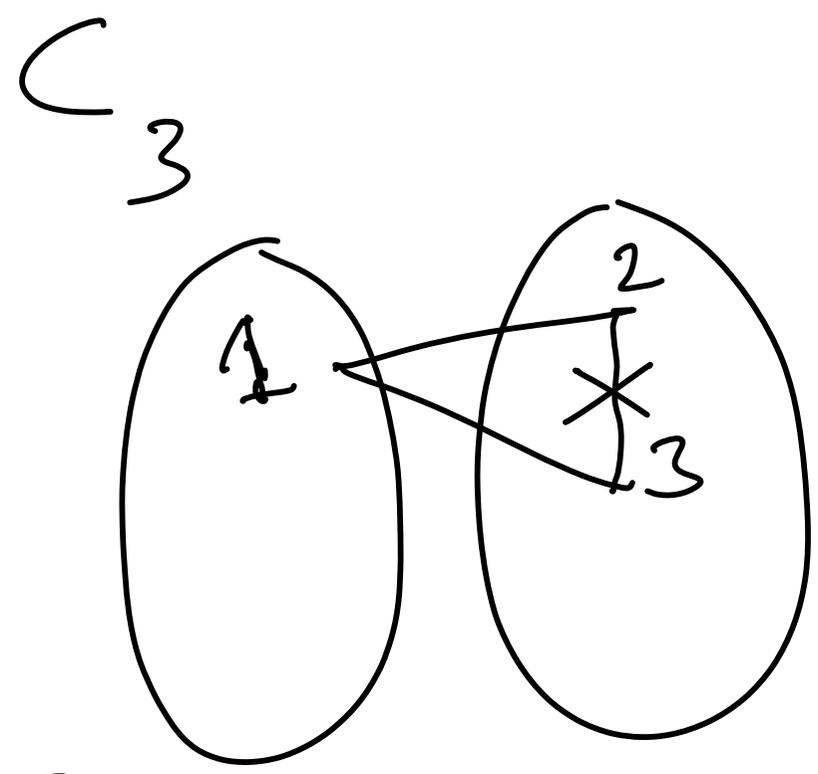
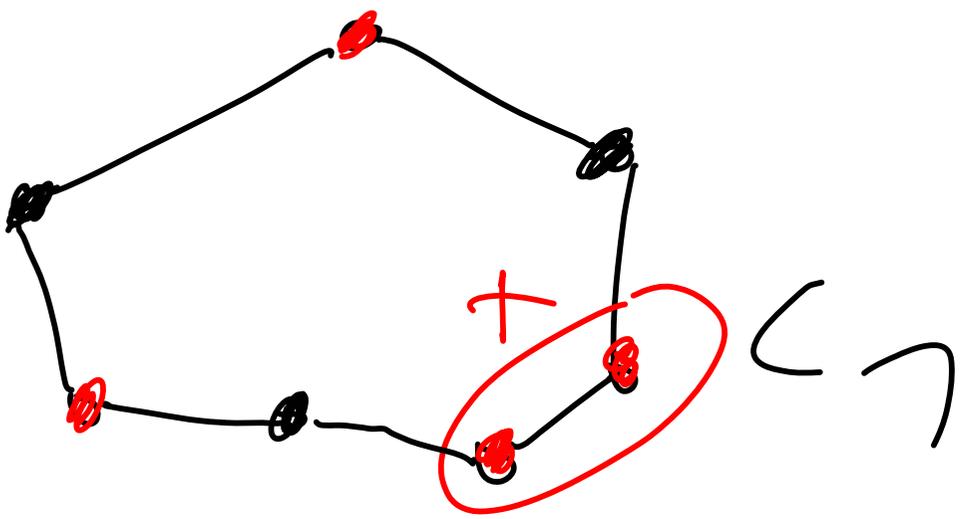
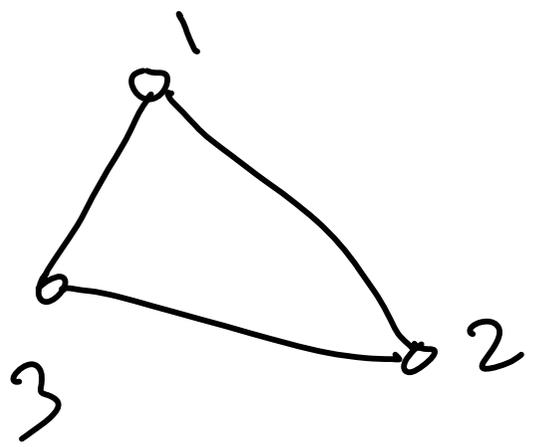


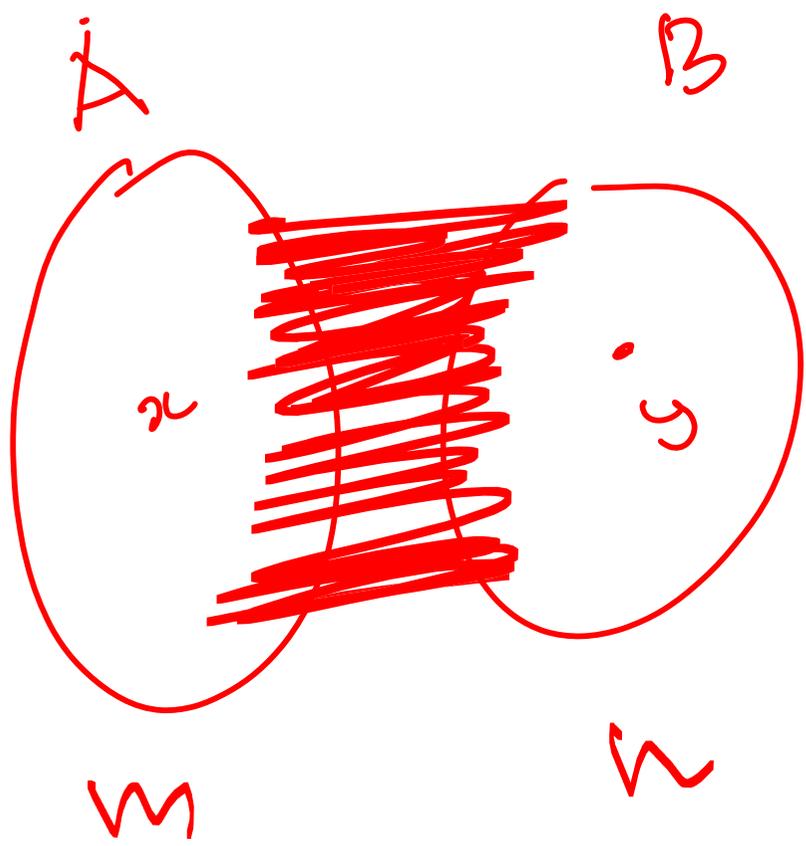
G_2



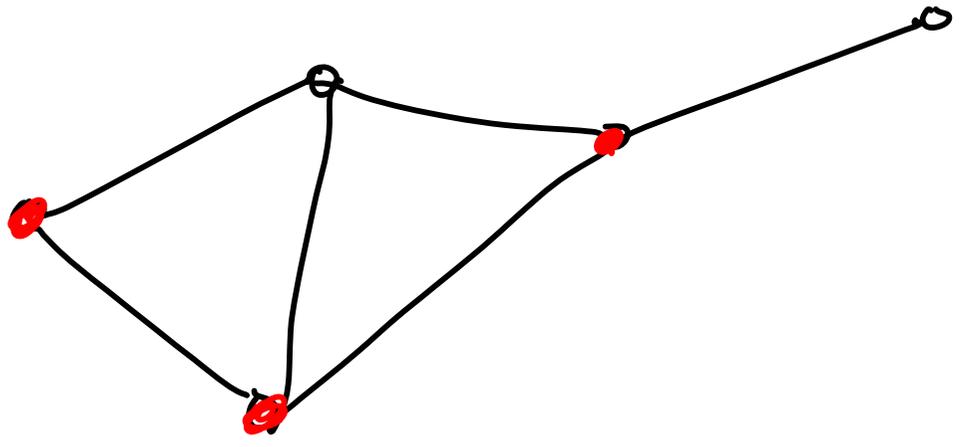


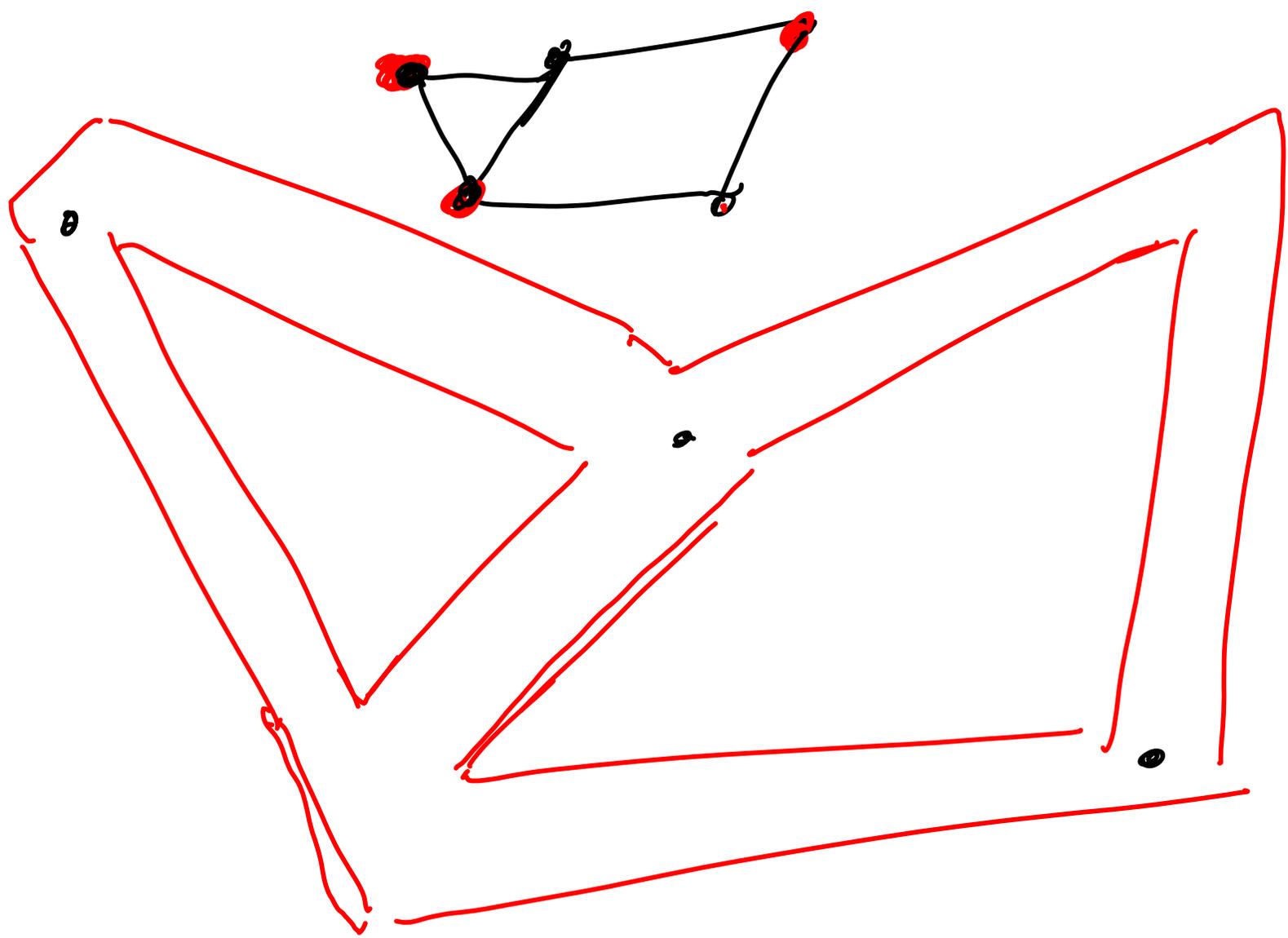




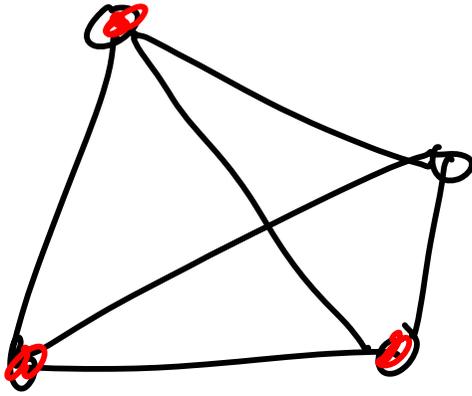


$K_{m,n}$





$(n-1)$ vertices from
the n vertices



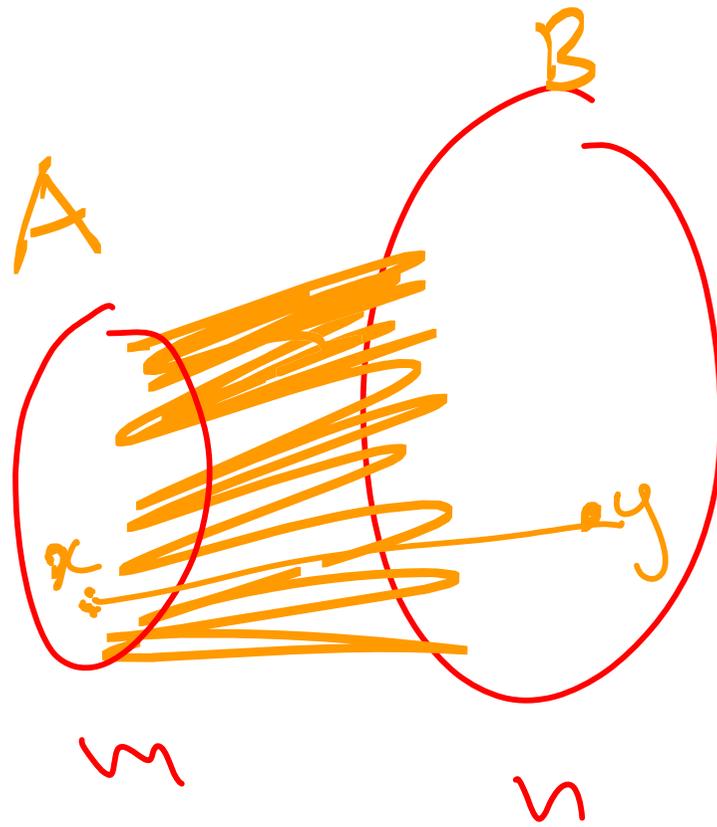
$\leftarrow K_4$

Suppose there is a

V C with $n-2$ vertices

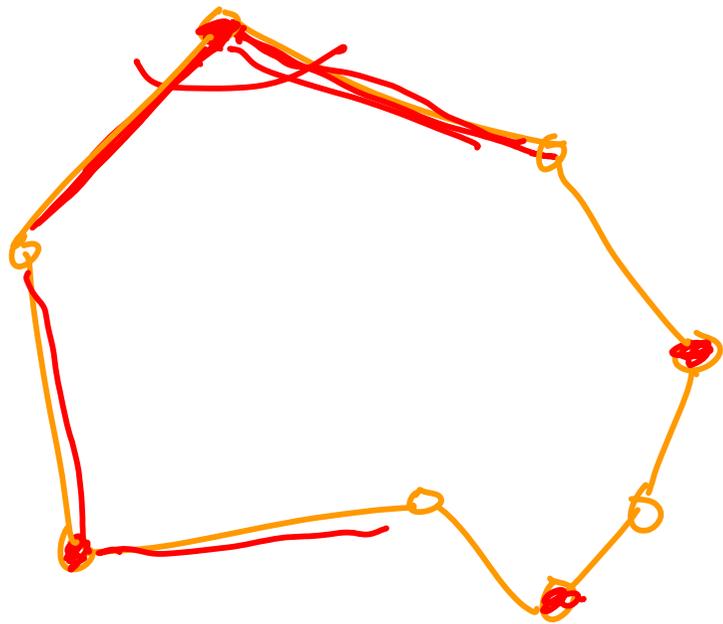


, .



$$m \leq n$$

A



C_n

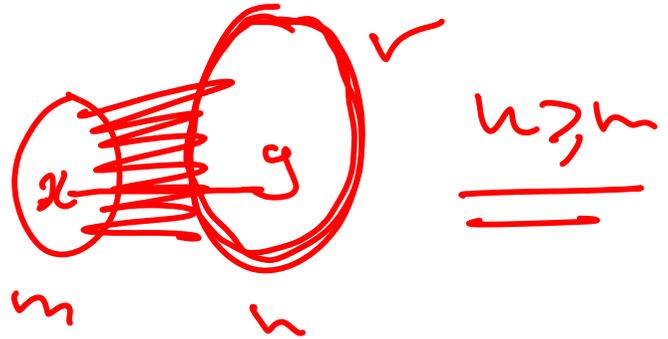
n - even

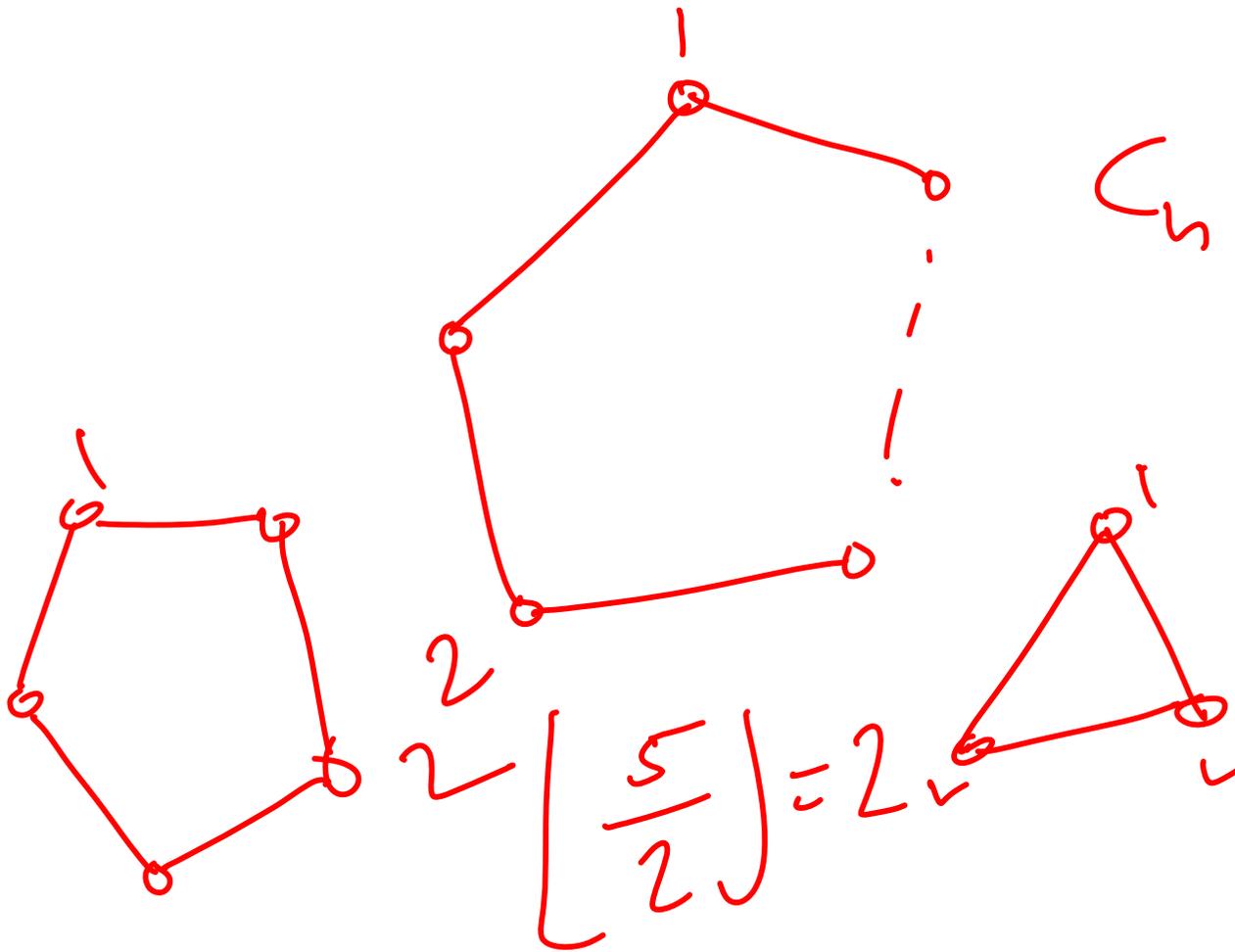
$$\binom{n}{2} \times 2 = \underline{\underline{n-2 \text{ edges}}}$$

$$\left\lfloor \frac{n}{2} \right\rfloor$$

$$K_n \quad \alpha(K_n) = 1$$

$$\alpha(K_{m,n}) = n$$





C_n

n is even?

$$\frac{n}{2}$$

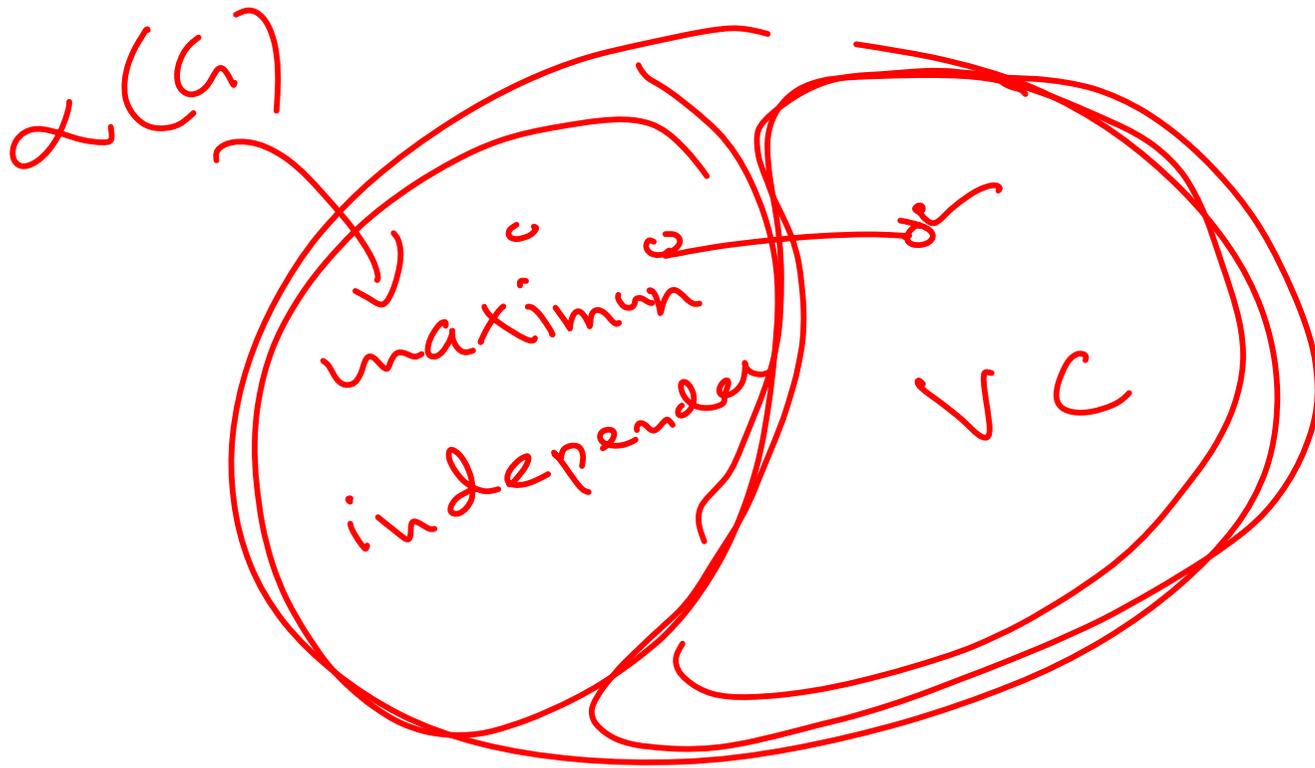
independent set



$n - |MVC|$

MVC

$$\alpha(G) \geq n - |MVC|$$
$$|MVC| \geq n - \alpha(G)$$



$$|MVC| \leq n - \alpha(G)$$

$$|MVC(a)| = n - \alpha(s)$$

$$|MVC(a)| = \beta(\alpha)$$

$$\alpha(a) + \beta(s) = n$$
