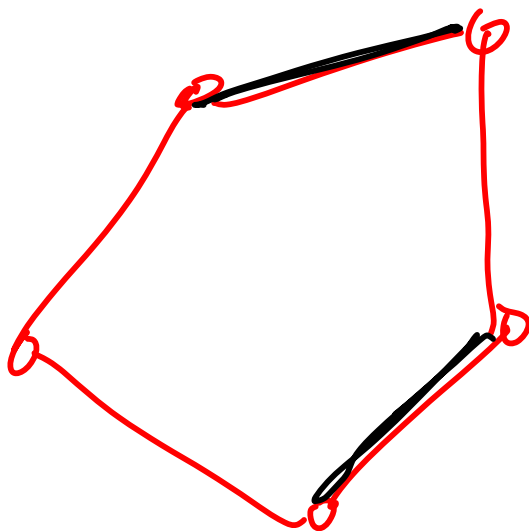
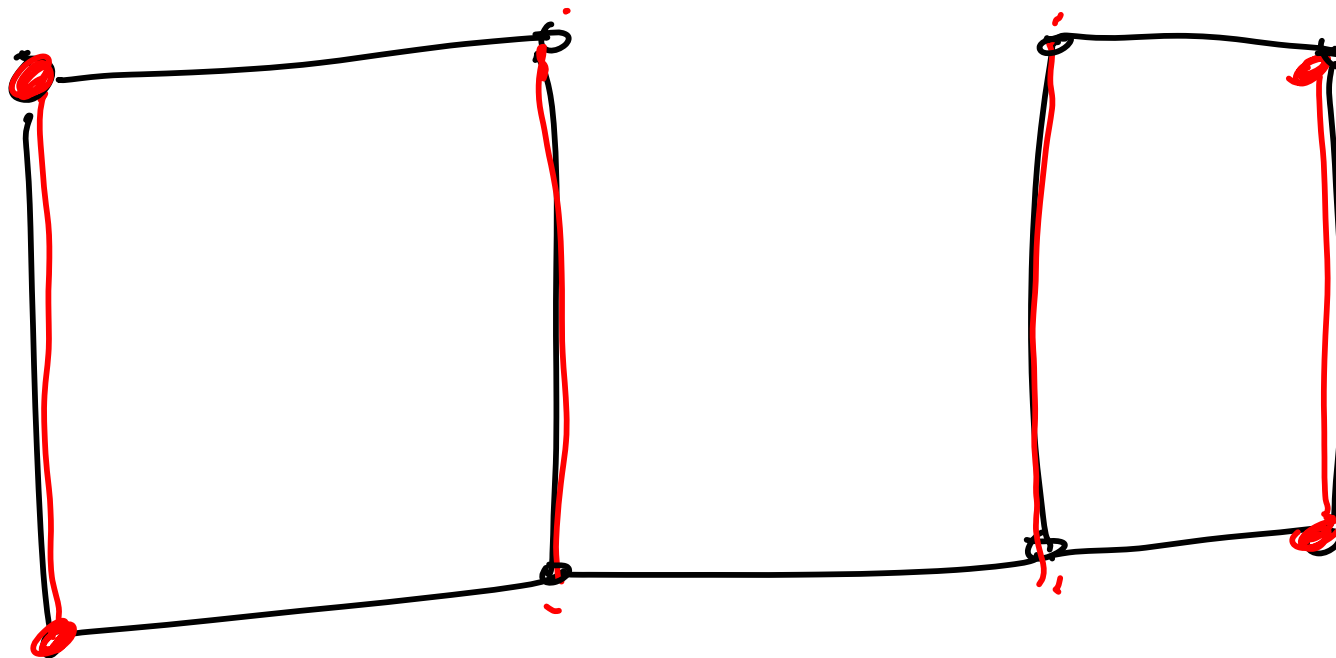


$$\frac{5}{2}$$

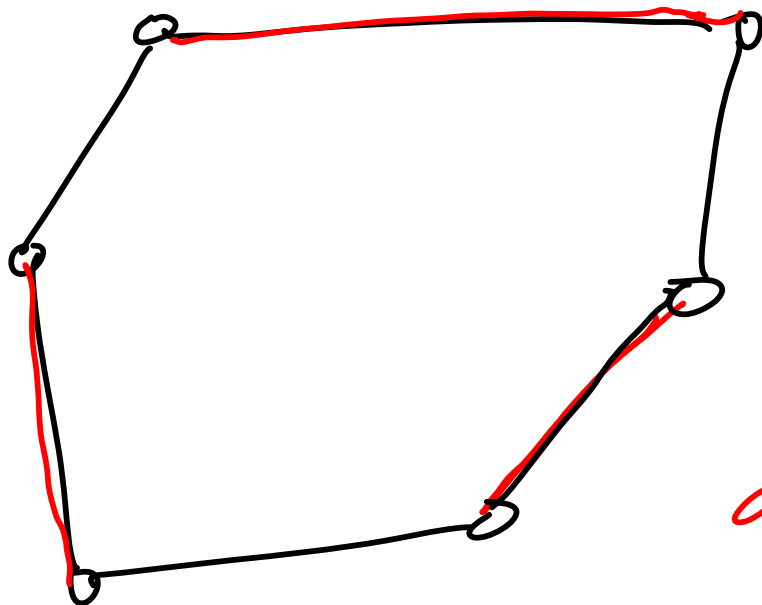
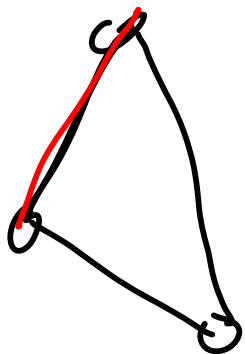




$$\mathcal{L}'(\mathcal{G}) = 4$$

$\alpha(G)$

independence number



$$\alpha'(a) = 3$$

$$\alpha'(C_n) = \frac{n}{2}$$

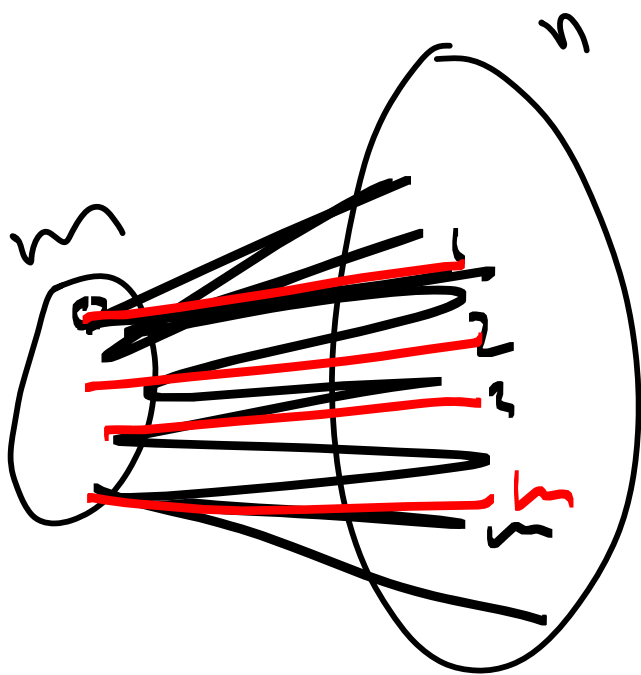
$$\alpha'(C_n) = \left\lceil \frac{n}{2} \right\rceil$$



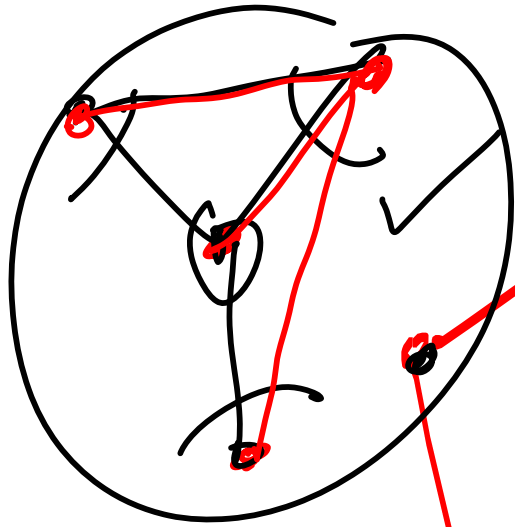
$$\alpha'(p_n) = \frac{h}{2}$$

$$\alpha'(p_n) = \left\lfloor \frac{h}{2} \right\rfloor$$

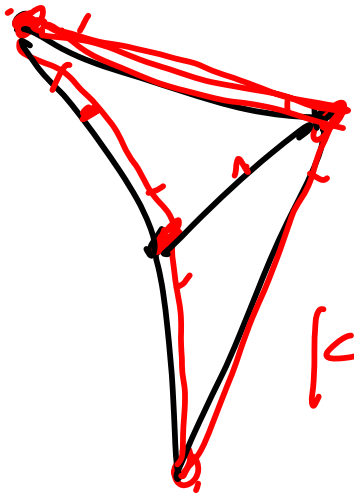




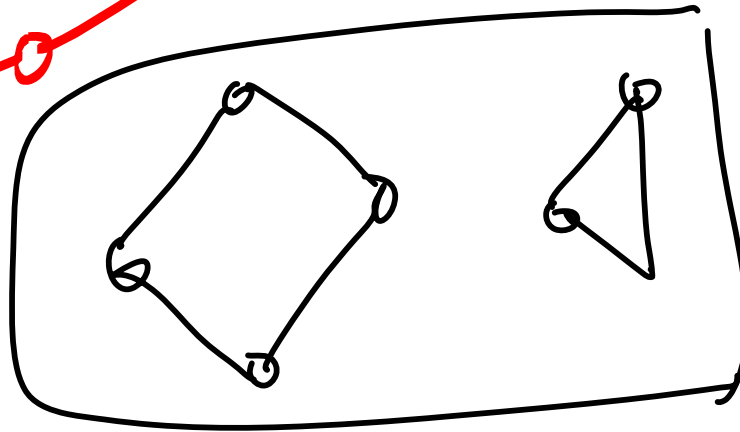
$$\alpha'(K_{m,n}) = m$$

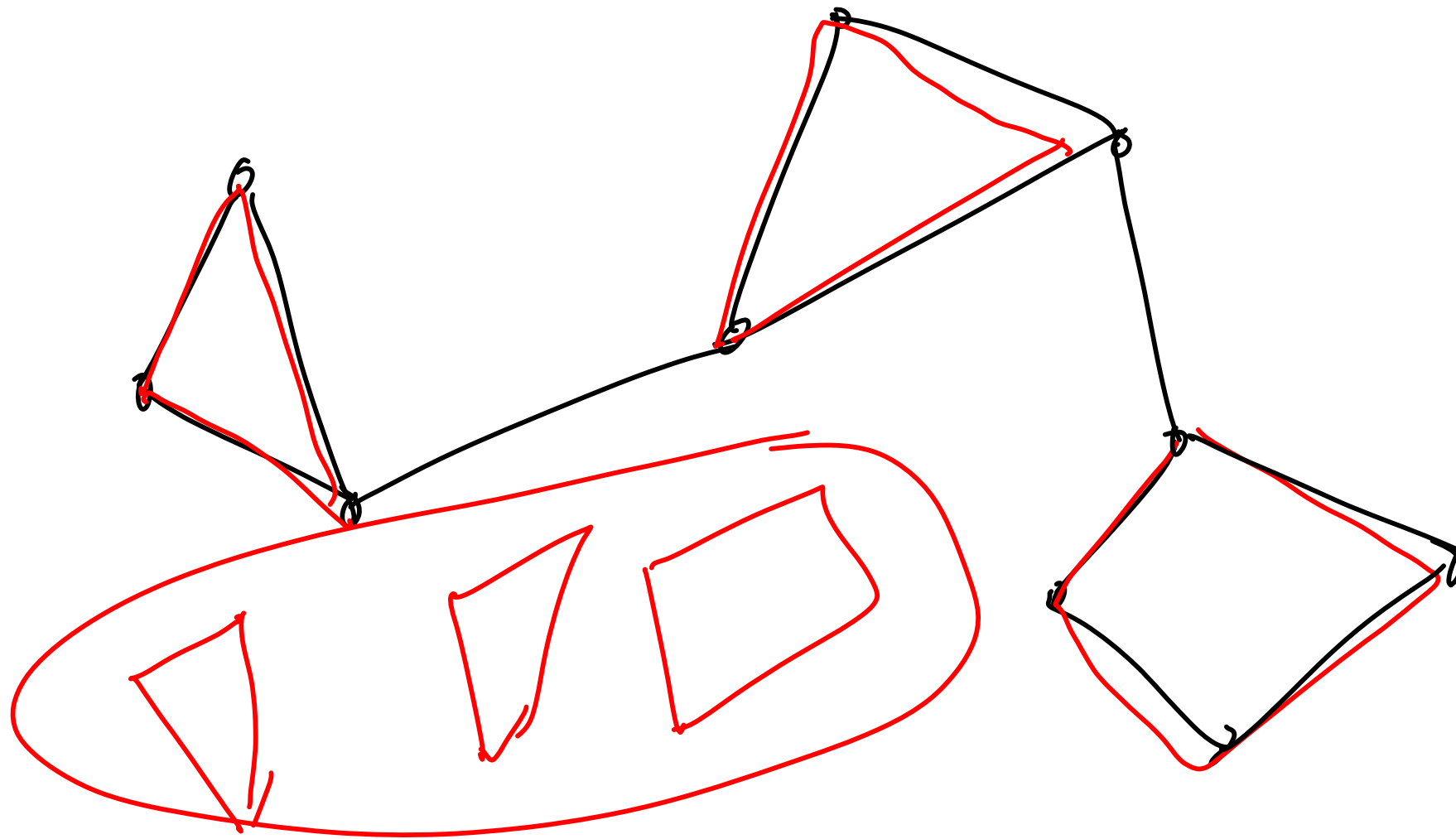


2-regular

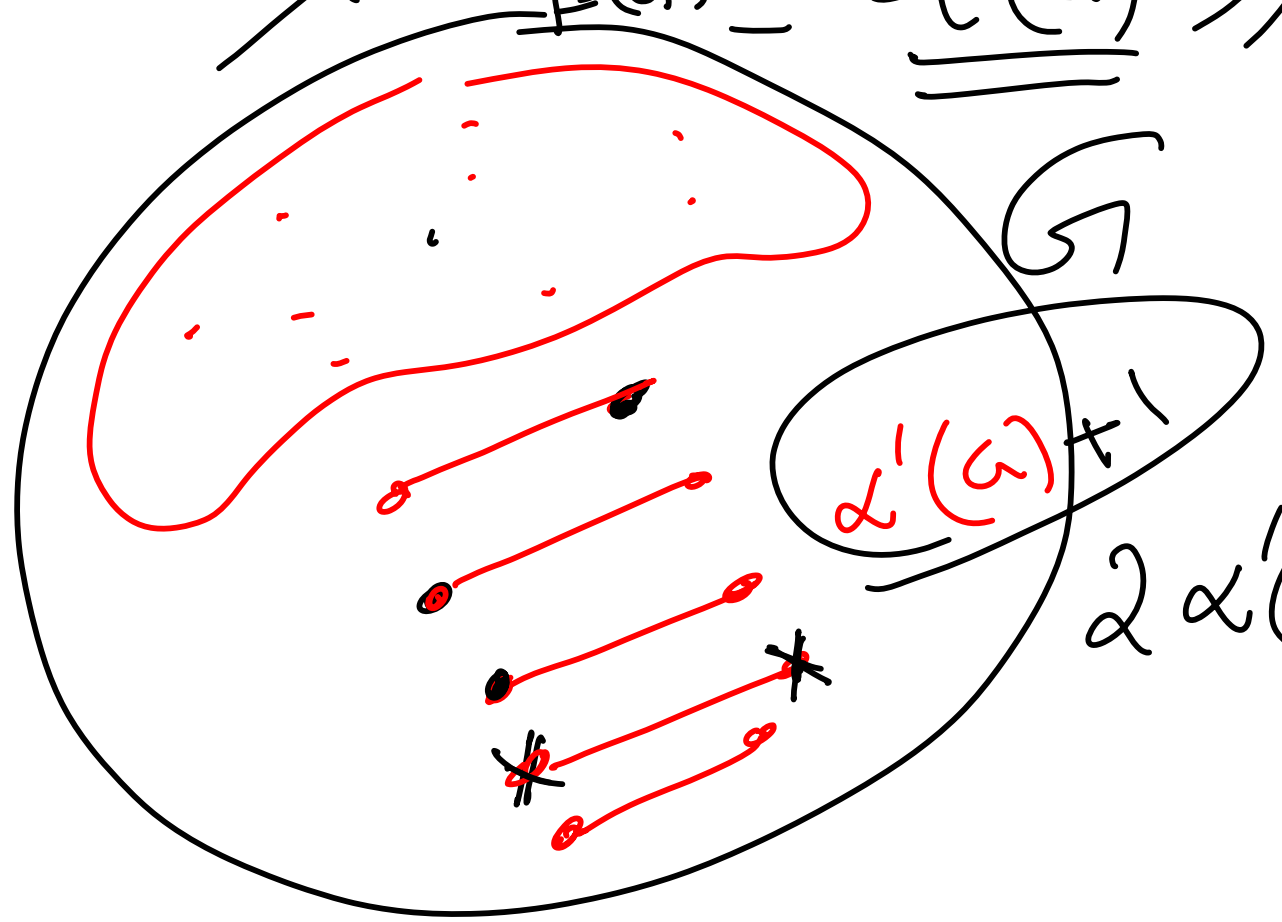


k -factor





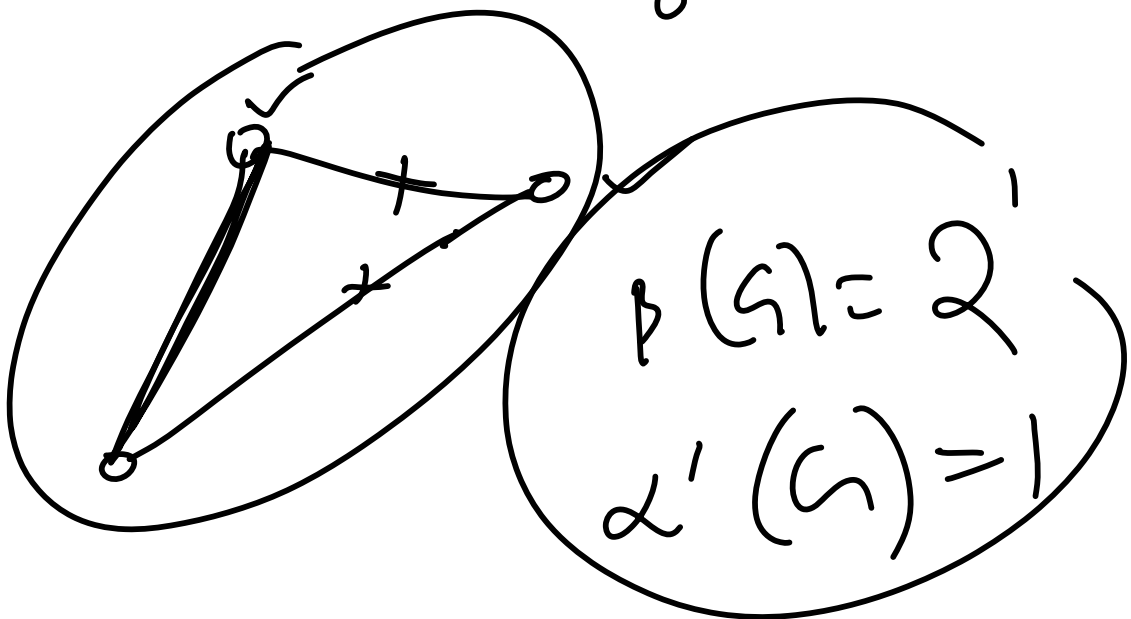
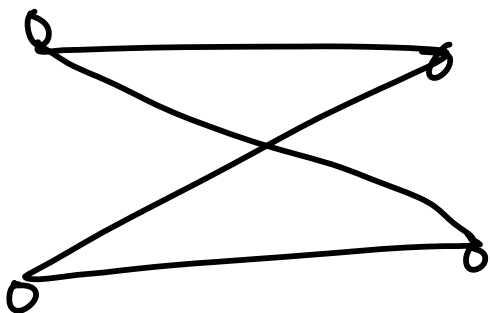
$$\chi - \beta(G) = \alpha(G) \geq \chi - 2\alpha'(G)$$



$$2\alpha'(G) > \quad ,$$

$$\beta(\alpha) \leq 2\alpha'(\alpha)$$

$$\alpha'(\alpha) \leq \beta(\alpha)$$

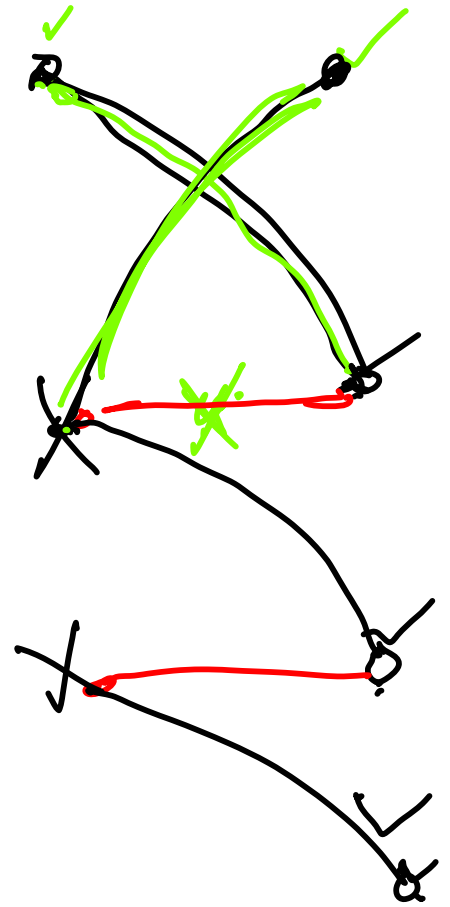
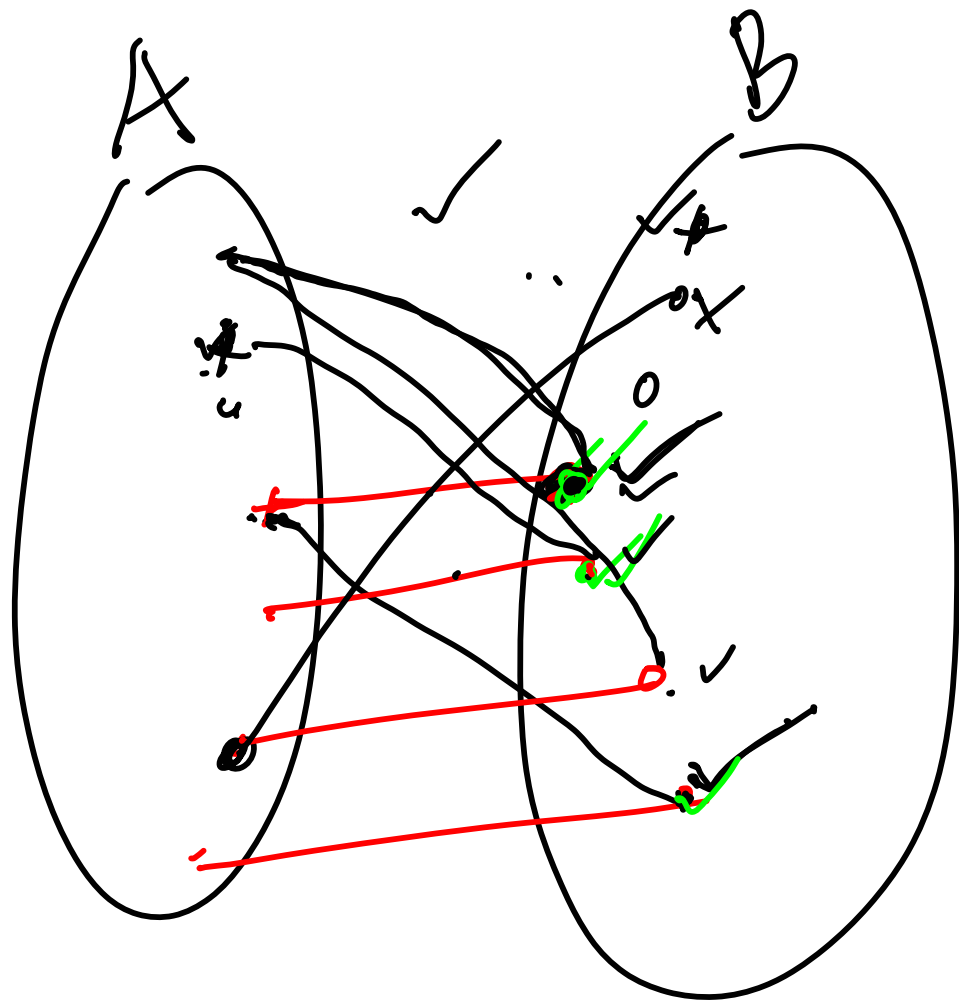


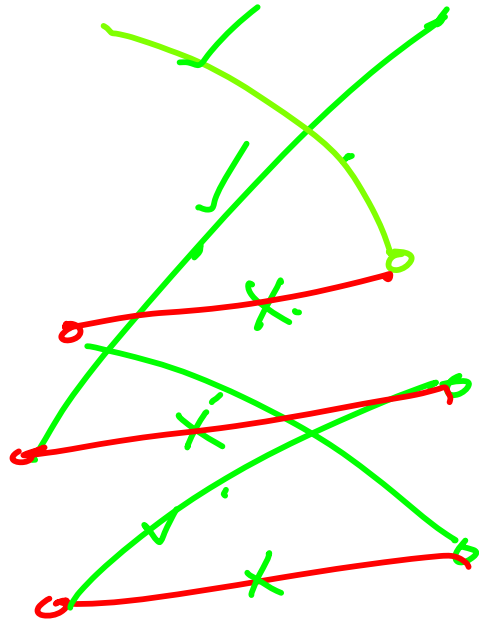
$$\beta(G) = 2$$

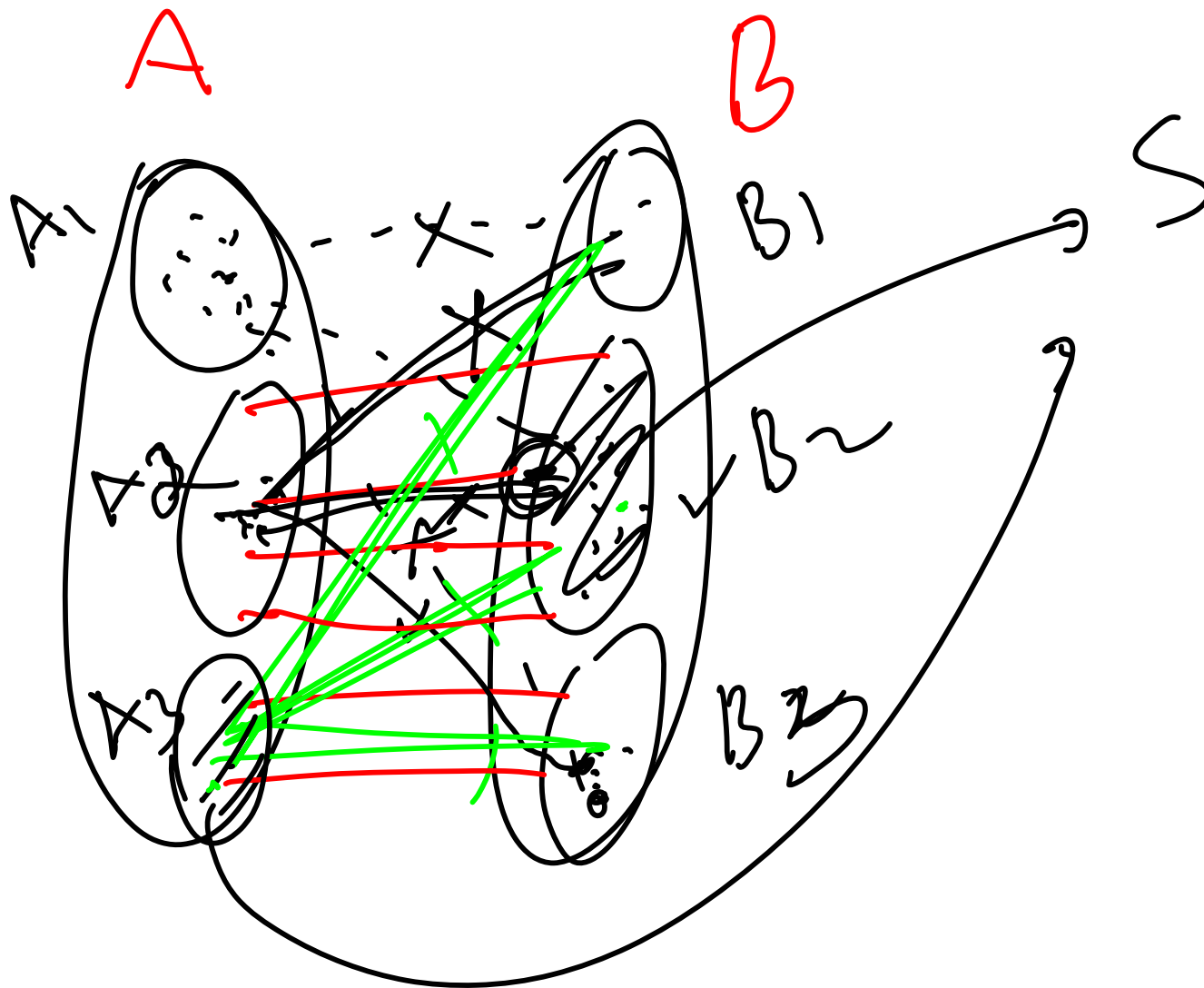
$$\alpha'(G) = 1$$

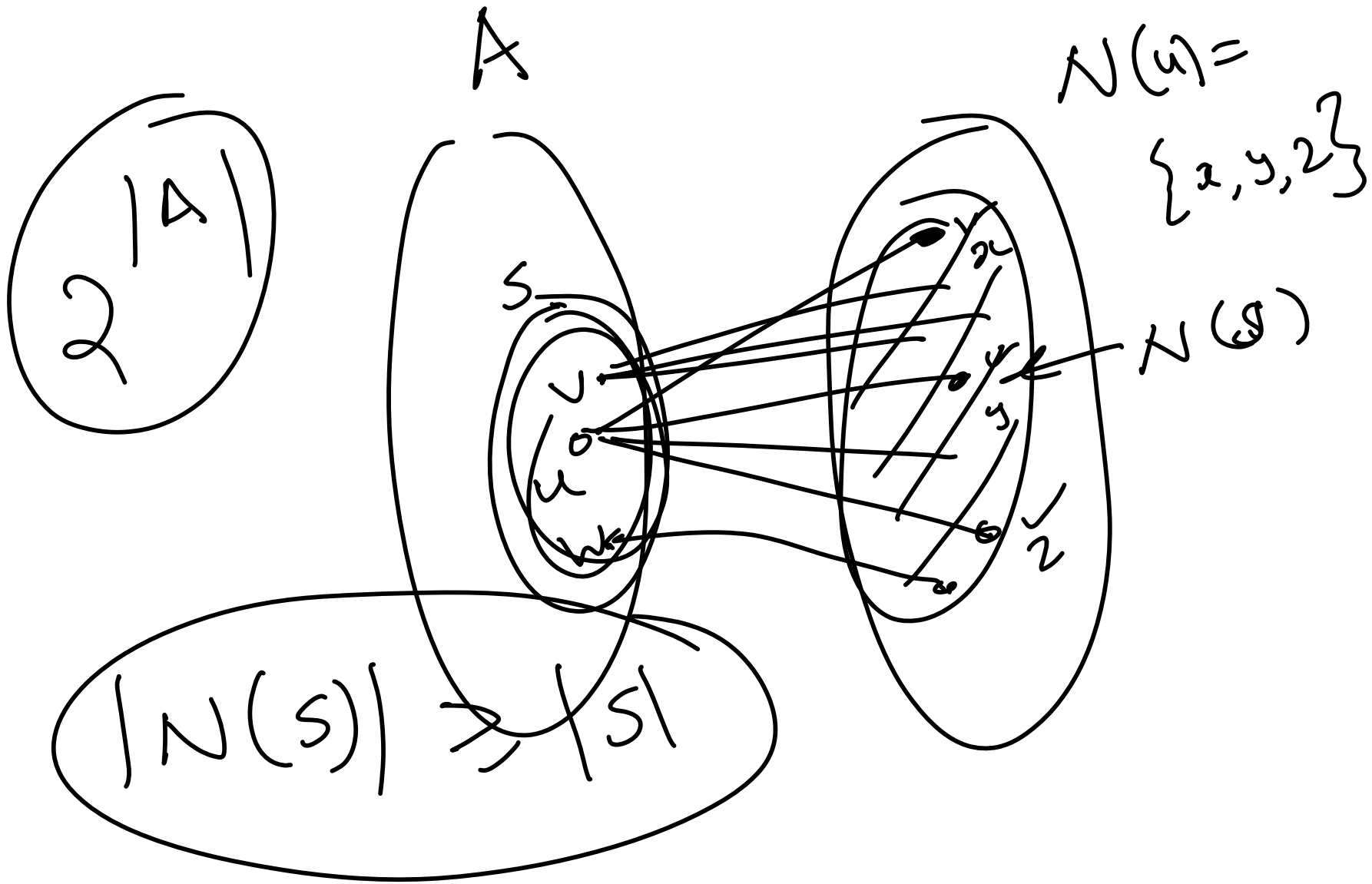
$$\beta(G) = 2^0$$

$$\alpha'(G) = 2$$

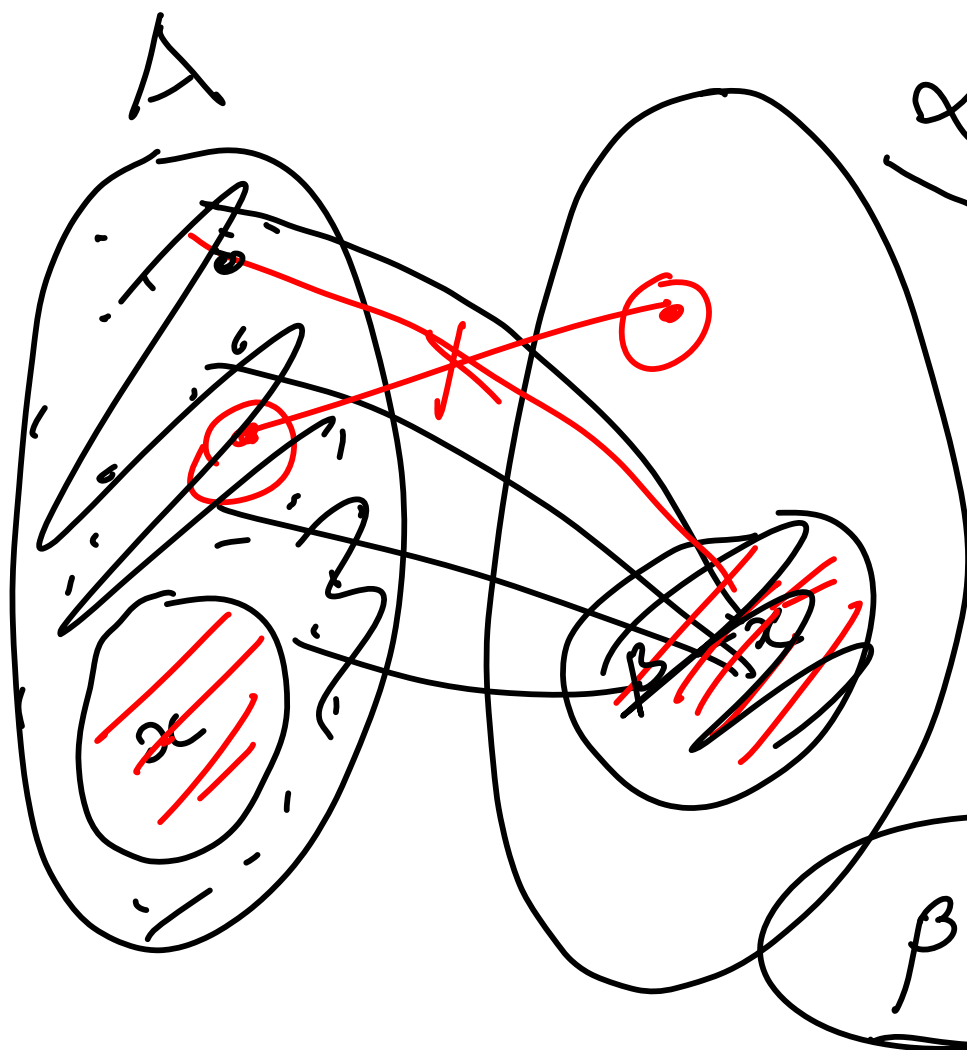








$$|A| - \alpha$$



$$\alpha'(a) = \beta(a)$$

$$< |A|$$

$$\beta - \alpha \geq$$

$$|A| - \alpha$$

$$\beta \geq |A|$$

