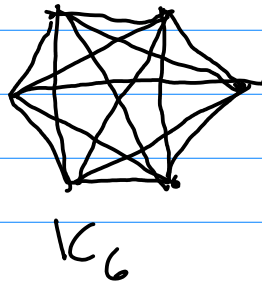
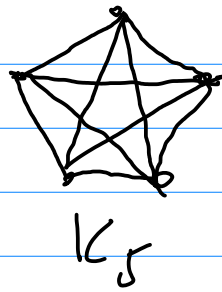
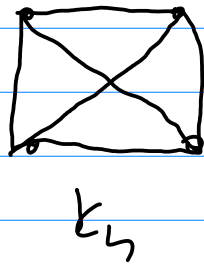
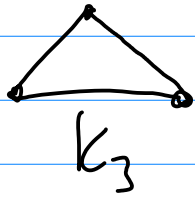
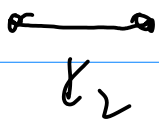
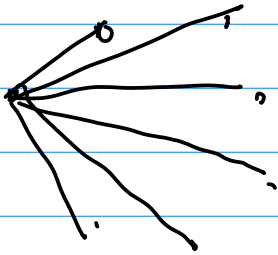


K_n

K_2, K_3, K_4, K_5, K_6



$K_n, n \in \mathbb{N}$



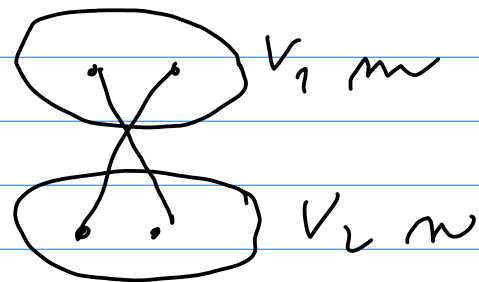
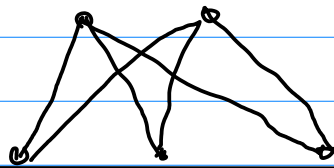
$$\frac{n(n-1)}{2} = \binom{n}{2}$$

$$\frac{n-1}{(n-1)!}$$

$K_{m,m}$

$K_{2,3}$

~~$m \cdot m$~~

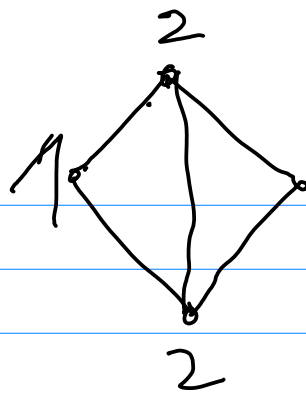
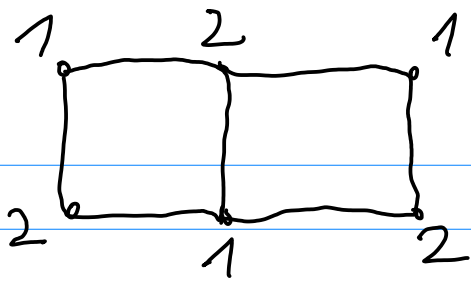


hexitije pravilni gret nepárneho stupia
s neprírodným počtom vrcholov

$$\sum_{i=1}^n st(r_i) = 2e$$

6 n vrch. $st m$

$$\left. \begin{aligned} \sum_{i=1}^n st(r_i) &= n \cdot m - \text{nepárne} \\ &= 2e - \text{párne} \end{aligned} \right\} \text{spor}$$



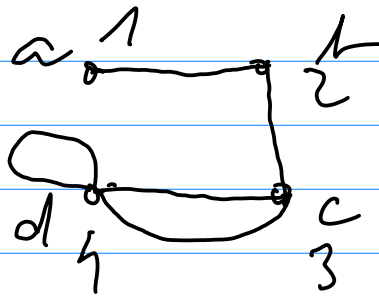
4 hrany 4 vrcholy stupne 1, 2, 3, 4

$$\sum \text{st}(v_i) = 1 + 2 + 3 + 4 = 10$$

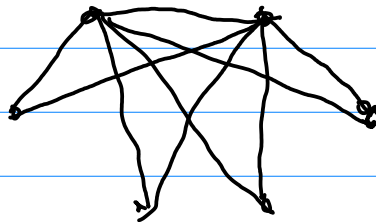
$$2e = 2 \cdot 4 = 8$$

$$10 \neq 8$$

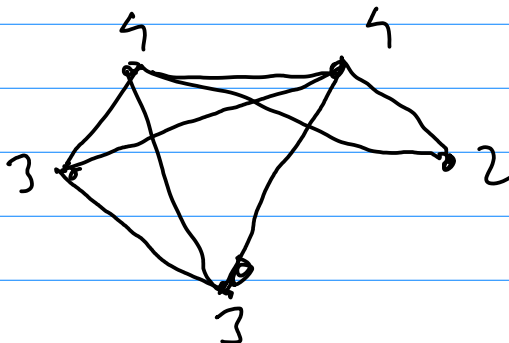
4 vrcholy stupne 1, 2, 3, 4



obvyčajný graf 5 vrch. st. 1, 2, 3, 4, 5, 5



obvyč. gr. 5 vrch st. 2, 3, 3, 4, 4



$r(G) = d(G)$

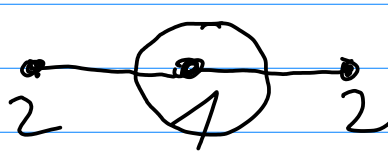


$r(G) = 0$
 $d(G) = 0$

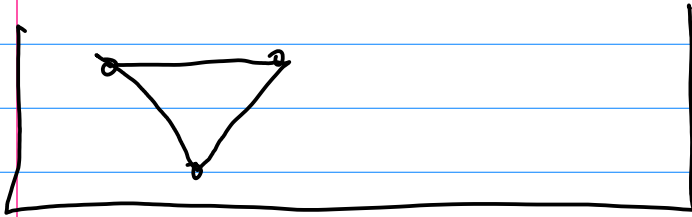
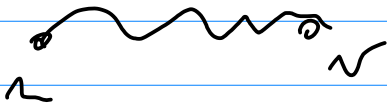
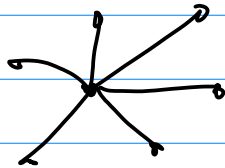


$r(G) = 1$
 $d(G) = 1$

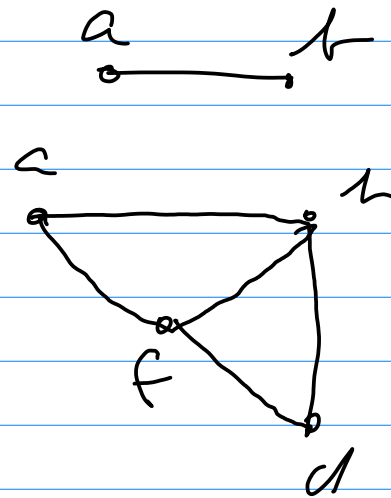
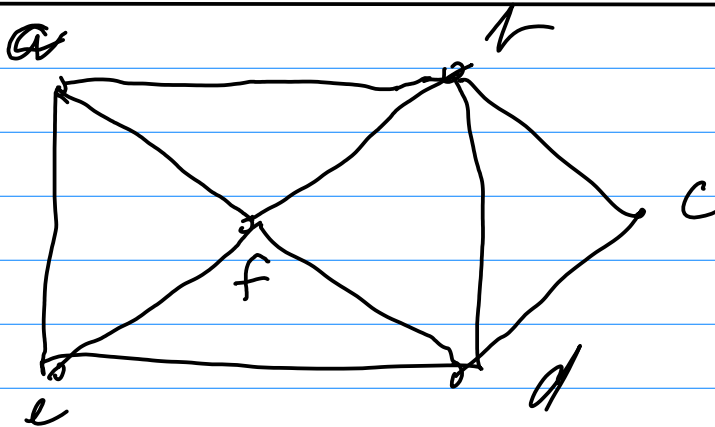
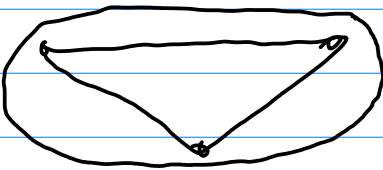
$d(G) = 2r(G)$



$r(G) = 1$
 $d(G) = 2$



2



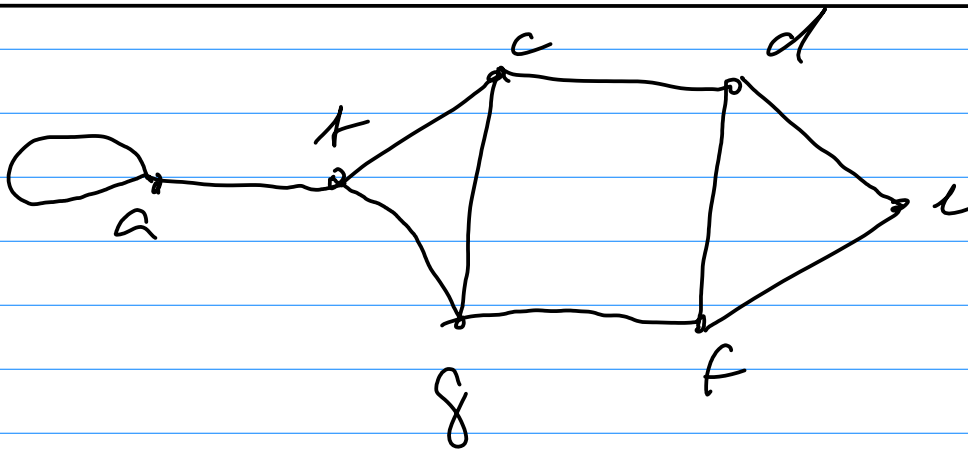
(a, b, c)

(a, f, d, c, b)

(a, f, b, a)

(a, t, a)
 (a, t, f, a)
 (a, t, f) 3

(a, t, c, d, t)
 (a, t, d, e) 4



a-e

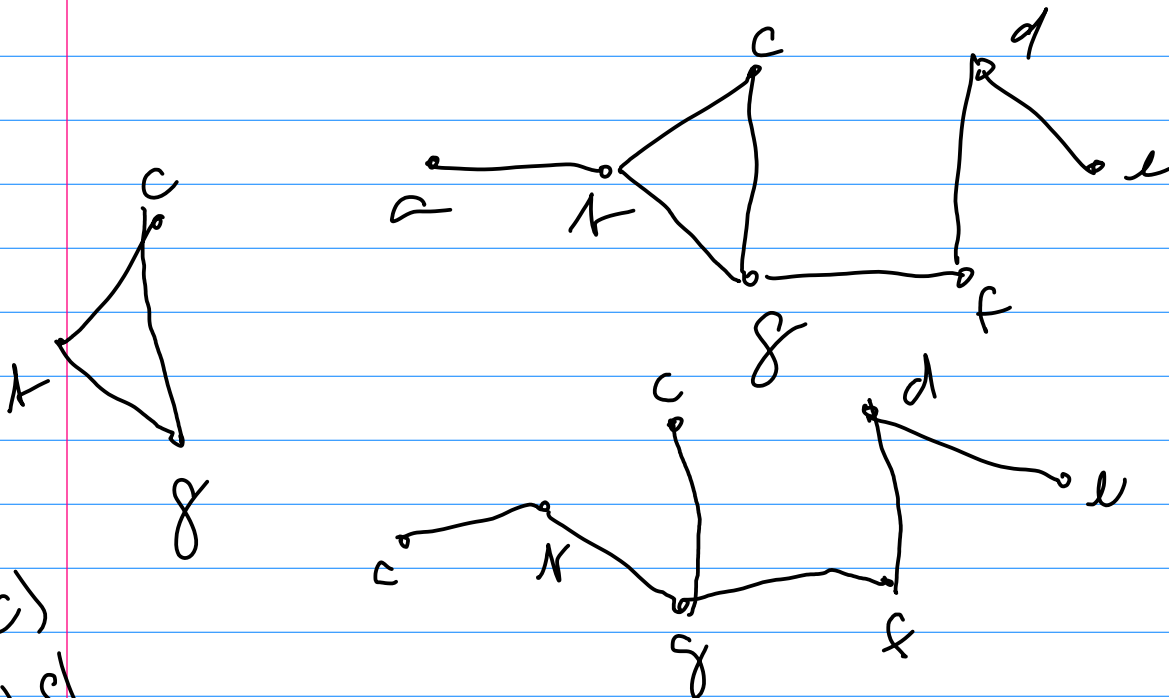
8

(a, t, c, d, e) , (a, t, c, d, f, e)

(a, t, c, g, f, e) , (a, t, c, g, f, d, e)

(a, t, g, f, e) , (a, t, g, f, d, e)

(a, t, g, c, d, e) , (a, t, g, c, d, f, e)



(t, c)
 (t, g)
 (c, g)

