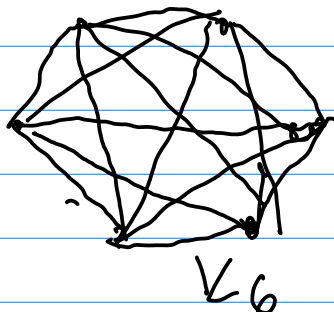
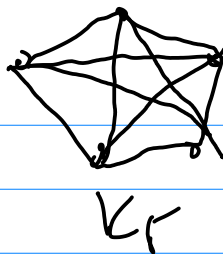
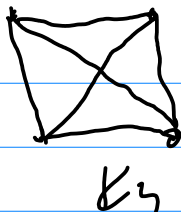
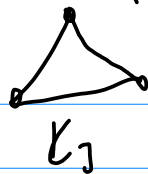


K_m

K_2, K_3, K_4, K_5, K_6



K_m

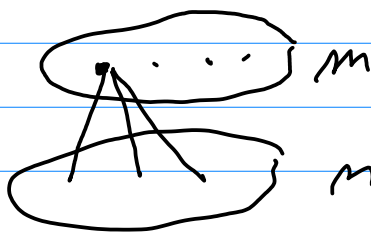
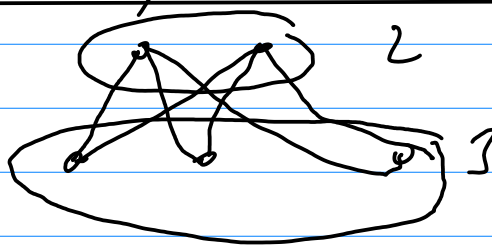
$$\frac{m(m-1)}{2}$$

$2m$

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

$K_{m,n}$
hrá'n

$$\underline{m \cdot n}$$

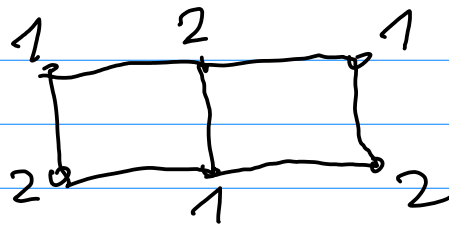
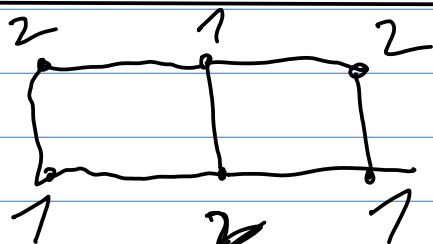


neexistuje pravidelný graf neprávného stupně
s neprávným počtem vrcholů

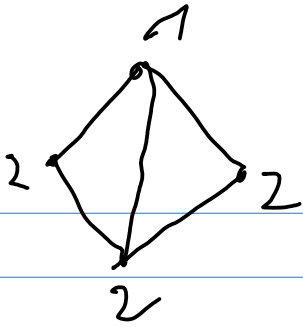
poč. vrch. $m = 2k + 1$

střeban $m = 2k + 1$

$m \cdot n$ — neprávný } spor
— párný



nie



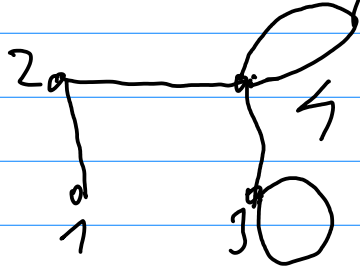
4 strony

4 wierzchołki

stopnie

1, 2, 3, 4

A, N



5

$$4 \cdot 2 = 8$$

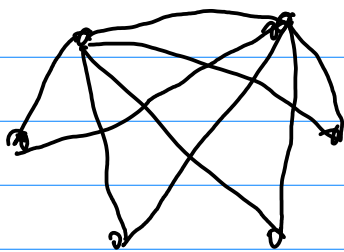
$$1 + 2 + 3 + 4 = 10 \neq 8$$

obyčajny graf

6 wzd., 5 st.

1, 2, 3, 4, 5, 5

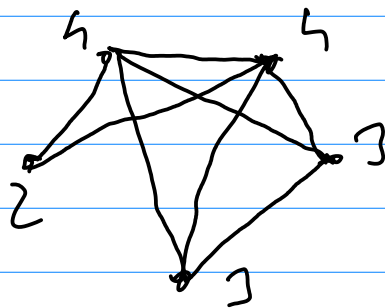
20



ob. gr.

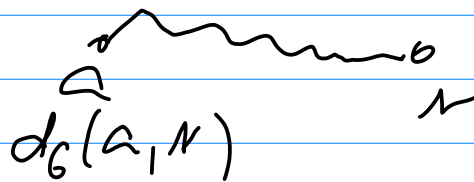
5 wzd., 5 st.

2, 3, 3, 4, 4



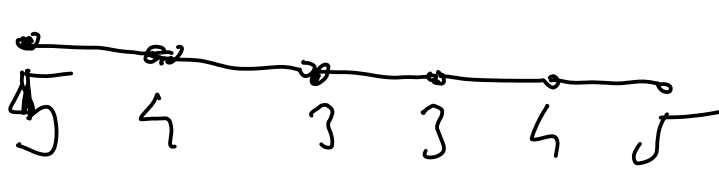
$$\frac{r(G) = d(G)}{\quad}$$

$$L_G(n)$$



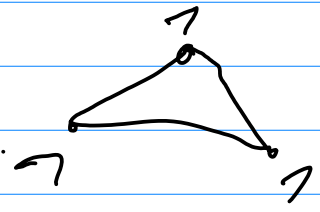
$$r(G)$$

$$d(G)$$



$r(G) = 3$
 $d(G) = 5$

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

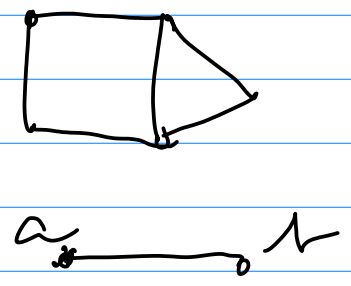
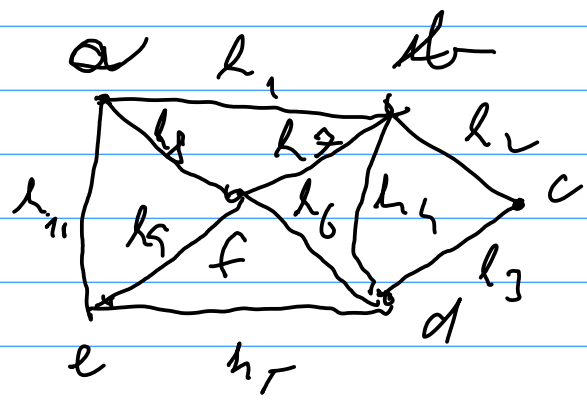
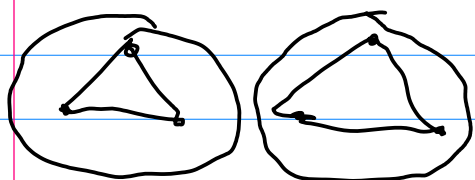
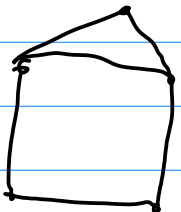
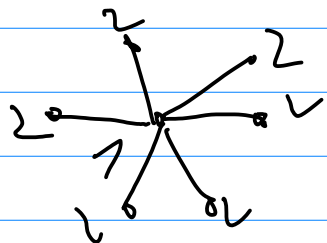


$c(G) = V$

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



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



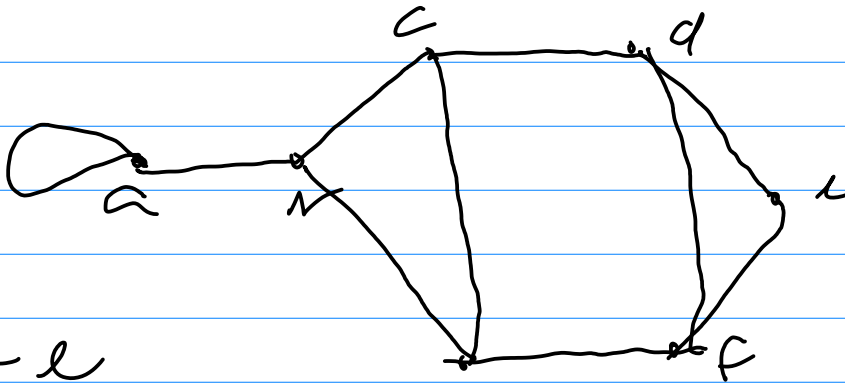
- (~~b~~) (d, e, a) (a, b, c, d)
- (a, b, d, f, a)
- (a, b, d, e) (a, b, f, a, b, c)

(a, f, d, c)

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

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

(a, t, c, d, e)



386

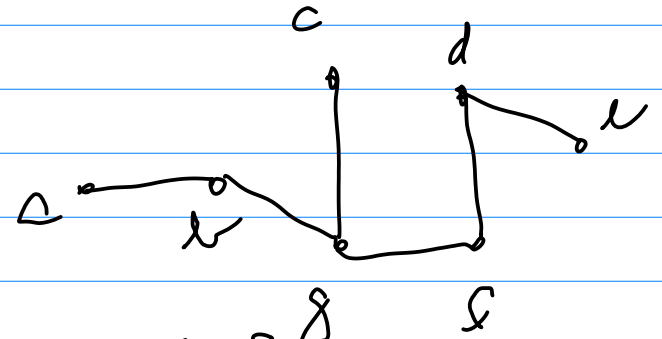
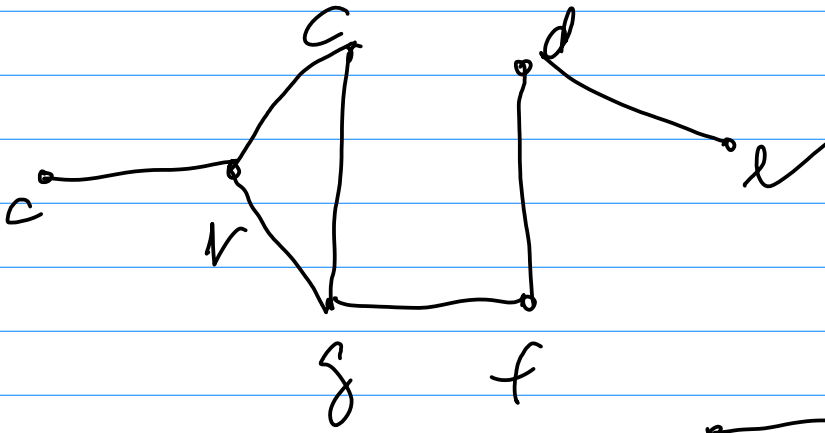
$a - e$

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

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

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

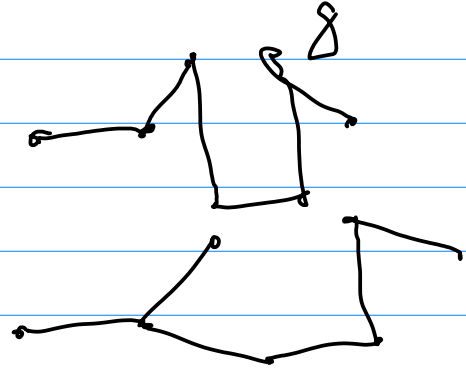
$(a, t, g, c, d, e), (a, t, g, c, d, f, e)$

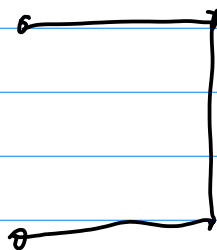
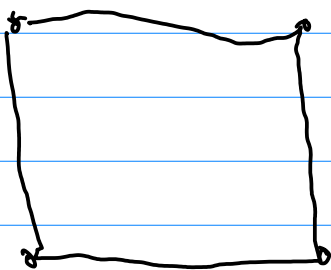
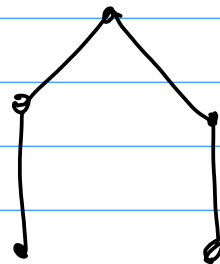
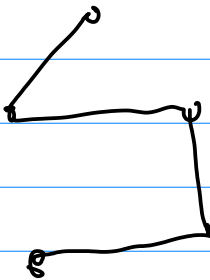
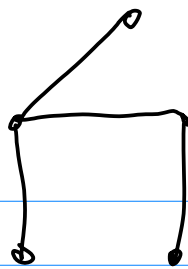
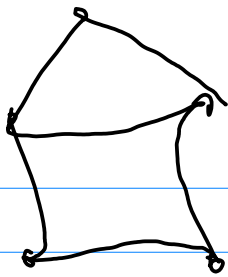


~~(t, a)~~

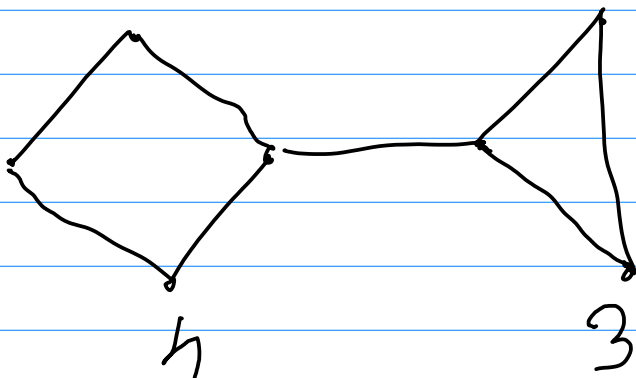
~~(t, g)~~

~~(c, g)~~





4



4

3

$$4 \cdot 3 = 12$$

7

$$12 = 3 \cdot 4$$

