

Mynstur 10

1. (a) $S = \{b\}$

$L(a) = 0, L(c) = 6, L(d) = 15$

(1)

$S = \{b, c\}$

$bc = 6$

$L(a) = 0, L(c) = 6, L(d) = 15, L(e) = 24$

(2)

$S = \{b, c, d\}$

$bcd = 15$

Breytingar: $L(e) = 18, L(f) = 31, L(g) = 24$

$S = \{b, c, d, e\}$

$bcde = 18$

Breytingar: $L(f) = 25$

(4)

$S = \{b, c, d, e, f\}$

$bcdef = 25$

Breytingar: $L(z) = 35$

(5)

$S = \{b, c, d, e, f, g\}$

$bcdeg = 24$

$L(b) = 0, L(c) = 6, L(d) = 15, L(e) = 18, L(f) = 25, L(z) = 35$

$L(g) = 24$

(6)

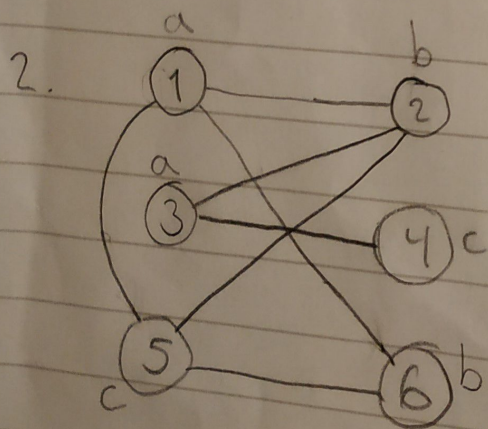
Styrsta leið = $b - c - d - g = 24$

	a	b	c	d	e	f	g	z
1	∞	0	∞	∞	∞	∞	∞	∞
2	12(b)		6(b)	15(b)	-	-	-	-
3	12(b)			15(b)	24(c)	-	-	-
4				15(b)	24(c)	-	-	-
5					18(d)	31(d)	24(d)	-
6						25(e)	24(d)	-
7						25(e)		36(g)
8								35(f)

1. ⑥	a	b	c	d	e	f	g	z
upph: 1	0	∞	∞	∞	∞	∞	∞	∞
a 2		12(a)	9(a)	-	-	-	-	-
c 3		12(a)	9(a)	18(c)	27(c)	-	-	-
b 4		12(a)	9(a)	18(c)	27(c)	-	-	-
d 5				18(c)	21(d)	34(d)	27(d)	-
e 6					21(d)	28(e)	27(d)	-
f 7						28(e)	27(d)	38(f)
g 8							27(d)	38(f)
z 9								38(f)

svo styrsta leið:

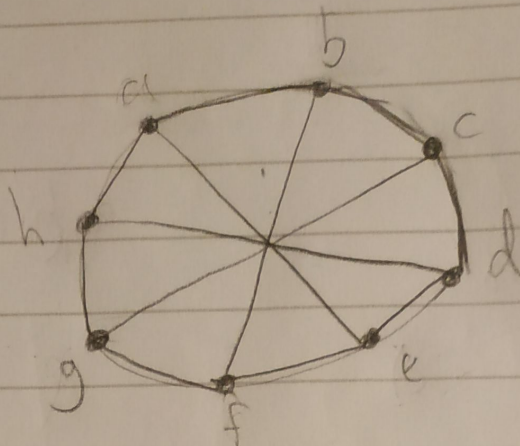
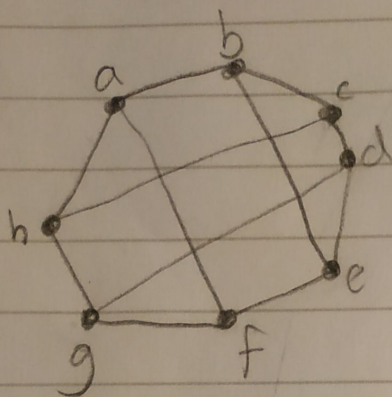
$$a - c - d - e - f - z = 38$$



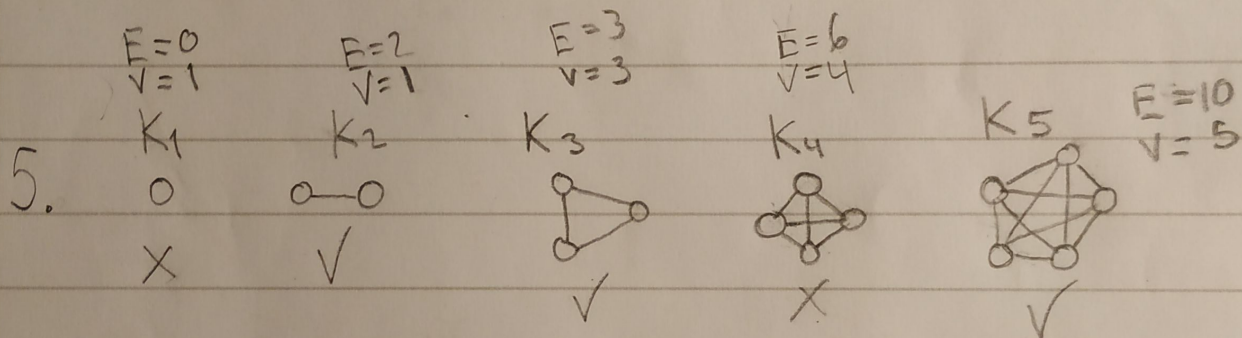
abc svo 3 litir daga
svo 3 þorp þurfa
kaupfélag.

Mynstur 10.

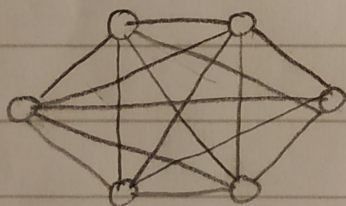
4.



Ekki einsmötur því ekki er hægt að láta alla hnúta hæggra netsins hafa sömu nágbranna og í vinstri netinu.

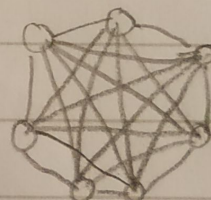


K_6



15 leggir, 6 hnútar
X

K_7



21 leggir, 7 hnútar
✓

Fyrir þau n þar sem leif af $\frac{\text{fjöldi leggja}}{\text{fjöldi hnúta}} = 0$ hefur n Euler-rás.