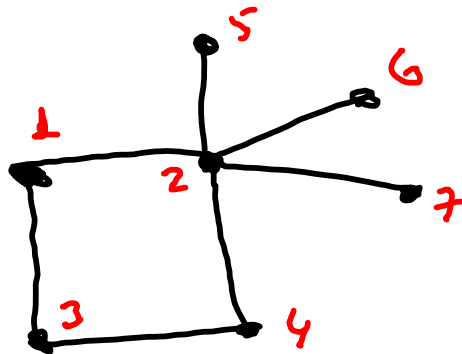


Hafıza 3

08.03.2023

Örnek:



$$\begin{aligned} a + a.b &= a \\ a + b.a &= a \end{aligned}$$

$$f = (1 + 2 + 3) \cdot (2 + 1 + 4 + 5 + 6 + 7) \cdot (1 + 3 + 4) \\ (2 + 3 + 4) \cdot (5 + 2) \cdot (6 + 2) \cdot (7 + 2)$$

$$= (\cancel{12} + \cancel{11} + \cancel{14} + \cancel{15} + \cancel{16} + \cancel{17} + \cancel{22} + \cancel{21} + \cancel{24} + \cancel{25} \\ + \cancel{26} + \cancel{27} + \cancel{32} + \cancel{31} + \cancel{34} + \cancel{35} + \cancel{36} + \cancel{37}) \dots$$

$$= (1 + 2 + \cancel{34} + \cancel{35} + \cancel{36} + \cancel{37}) \cdot (1 + 3 + 4) \dots$$

$$= (\cancel{11} + \cancel{13} + \cancel{14} + \cancel{21} + \cancel{23} + \cancel{24} + \cancel{341} + \cancel{343} + \cancel{344} \\ + \cancel{351} + \cancel{353} + \cancel{354} + \cancel{361} + \cancel{363} + \cancel{364} \\ + \cancel{371} + \cancel{373} + \cancel{374})$$

$$232 = 27$$

$$= (1 + 23 + 24 + 34 + 35 + 36 + 37) \cdot (2 + 3 + 4) \dots$$

$$= (12 + 13 + 14 + 23 + \cancel{234} + \cancel{24} + \cancel{234} + \cancel{234} + 34 \\ + \cancel{235} + 35 + \cancel{345} + \cancel{345} + \cancel{236} + 36 + \cancel{346} \\ + \cancel{237} + 37 + \cancel{347})$$

$$= (12 + 13 + 14 + \underline{23} + 24 + 34 + 35 + 36 + 37) \cdot (5 + 2)$$

$$= (\cancel{125} + \cancel{135} + \cancel{145} + \cancel{235} + \cancel{245} + \cancel{345} + \underline{35} + \cancel{356} + \cancel{357} \\ + \underline{12} + \cancel{123} + \cancel{124} + \underline{23} + \cancel{234} + \cancel{235} + \cancel{236} + \cancel{237})$$

$$= (35 + 145 + 12 + 24 + 23) \cdot (6 + 2)$$

$$= (\cancel{356} + \cancel{1456} + \cancel{126} + \cancel{246} + \cancel{236} \\ + \cancel{235} + \cancel{1245} + \underline{12} + 24 + 23)$$

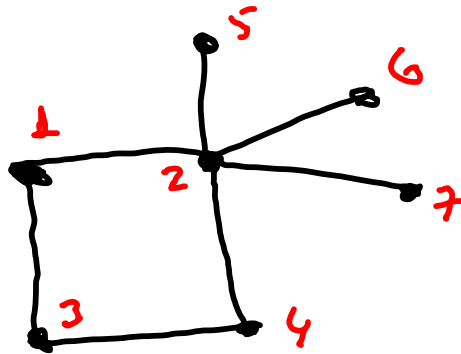
$$= (12 + 24 + 356 + 1456 + 23) \cdot (7 + 2)$$

$$= (\cancel{127} + \cancel{247} + 3567 + \cancel{14567} + \cancel{237}) \\ + \boxed{12} + \boxed{24} + \cancel{2356} + \cancel{12456} + \boxed{23}$$

2 elementli

$$= 12 + 24 + 23 + 3567 + 14567$$

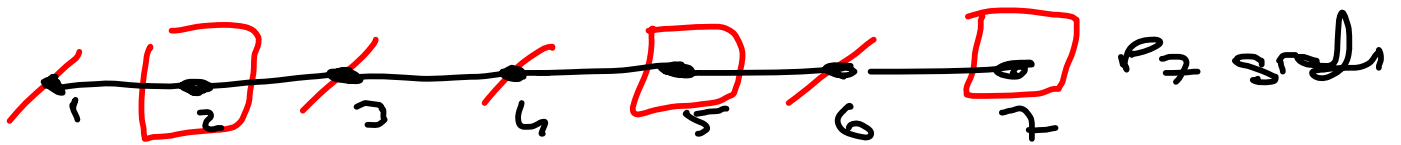
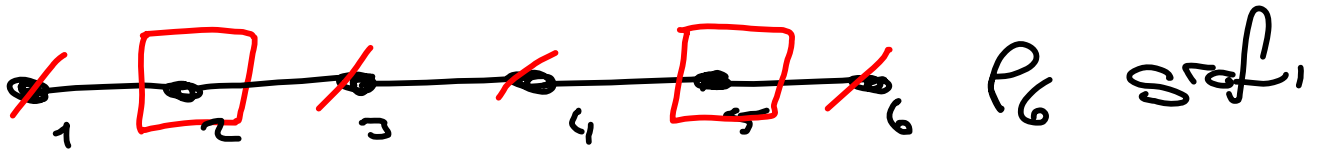
Başka küme



$$\Rightarrow \boxed{\chi(6) = 2}$$

Önemli grafların Bölünele Sayıları

① Yol graf:



$$\chi(P_n) = \left\lceil \frac{n}{3} \right\rceil \rightarrow \text{bölümü işte yuvarlar.}$$

~~Bölenden, bölüne~~

en küçük tamsayıya yuvarlar,

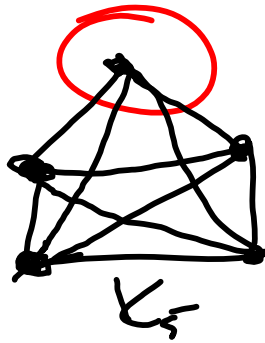
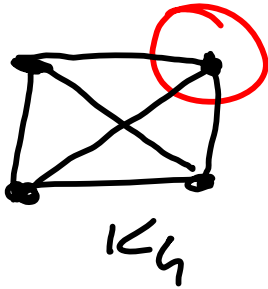
$$\chi(P_5) = \left\lceil \frac{5}{3} \right\rceil = \left\lceil 1.67 \right\rceil = 2 //$$

$$\chi(P_6) = \left\lceil \frac{6}{3} \right\rceil = 2 //$$

$$\chi(P_7) = \left\lceil \frac{7}{3} \right\rceil = \left\lceil 2.33 \right\rceil = 3 //$$

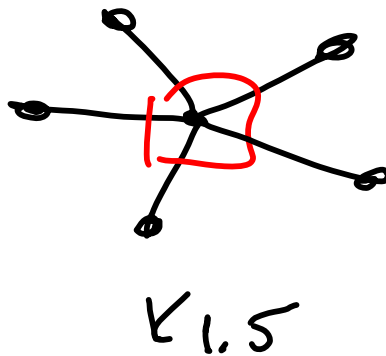
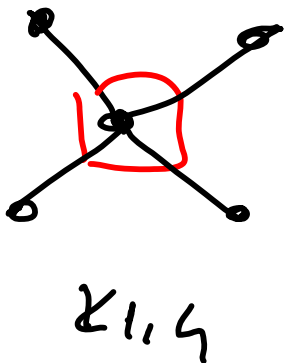
2) Genre Graph: $\chi(C_n) = \left\lceil \frac{n}{2} \right\rceil$

3) Tam Graph:



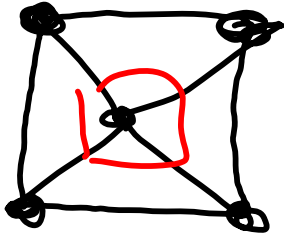
$$\chi(K_n) = 1$$

4) Yildiz Graph:

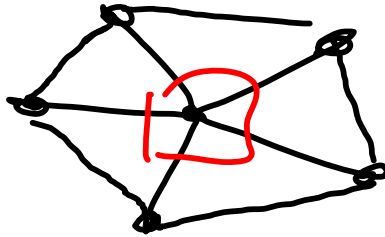


$$\chi(K_{1,n}) = 1$$

5) Teknoket grafi:



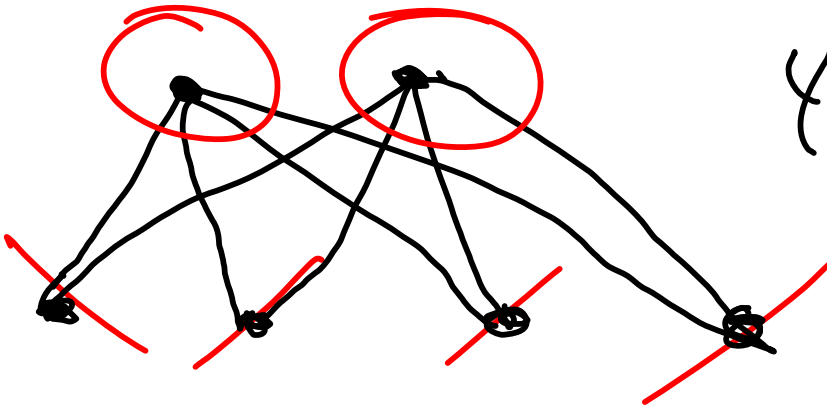
$w_{1,4}$



$w_{1,5}$

$$\chi(w_{1,n}) = 1$$

6) İki parçalı tam grafi:



$\chi_{2,4}$

$$\chi(K_{m,n}) = \min\{m,n\}$$

