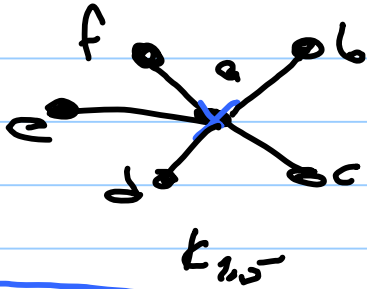


25.05.2021

Örnek:



6 tane, 5 bağlantı

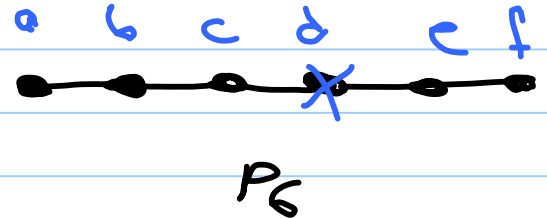
$$k(K_{1,5}) = 1$$

$$k_{av}(K_{1,5}) = ?$$

✓

$$\approx 1.83$$

hazır değil
değirmi?



6 tane, 5 bağlantı

$$k(P_6) = 1$$

$$k_{av}(P_6) = ?$$

$$k_{av}(P_6) = \frac{2 + 1 + 1 + 1 + 1 + 2}{6}$$

$$= \frac{8}{6} \approx 1.33$$

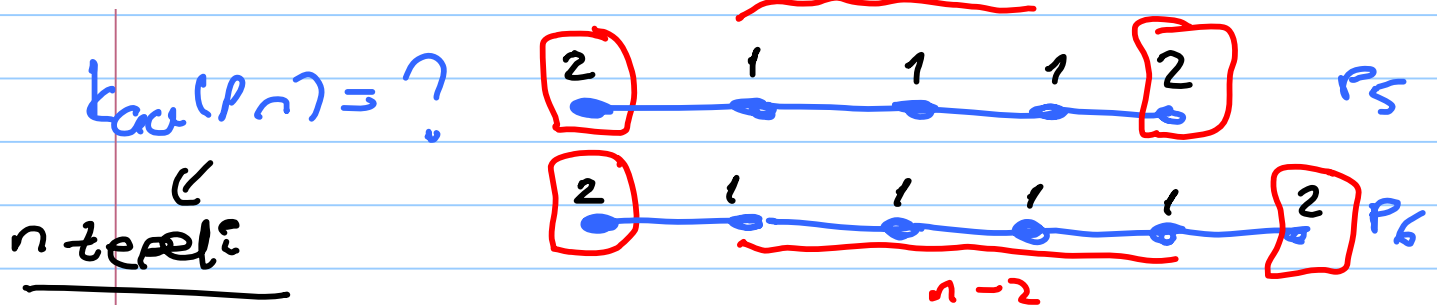
parçaları bulunan yolları graf daha dengelidir.

Örnek: Önemli grafların ortaklaşa

alt connectivity değerlerini bulunuz.

$$\underline{k_{au}(P_n)} = ? \quad k_{au}(C_n) = ? \quad k_{au}(K_n) = ?$$

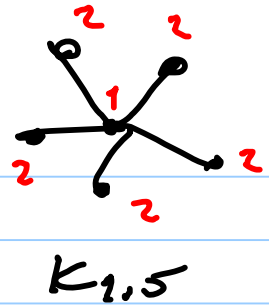
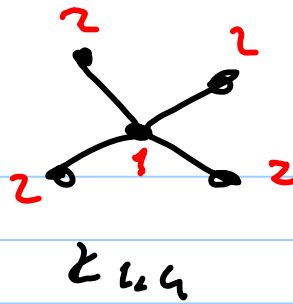
$$k_{au}(W_{1,n}) = ? \quad k_{au}(K_{1,n}) = ?$$



$$k_{au}(P_n) = \frac{2 \cdot 2 + (n-2) \cdot 1}{n} = \boxed{\frac{n+2}{n}}$$

$$k_{au}(P_6) = \frac{8}{6}$$

$$k_{av}(K_{1,n}) = ?$$

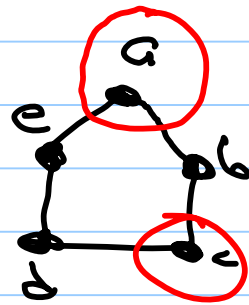
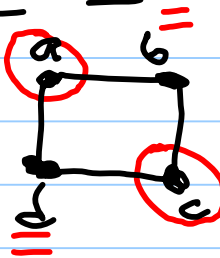


$$k_{av}(K_{1,n}) = \frac{1 \cdot 1 + n \cdot 2}{n+1} = \boxed{\frac{2n+1}{n+1}}$$

$$k_{av}(K_{1,5}) = \frac{11}{6} \approx 1.83$$

\downarrow
 $n=5$

$$k_{av}(C_n) = ?$$



$$\forall v \in V(G) : \deg(v) = 2$$

$$k_{av}(C_n) = 2$$

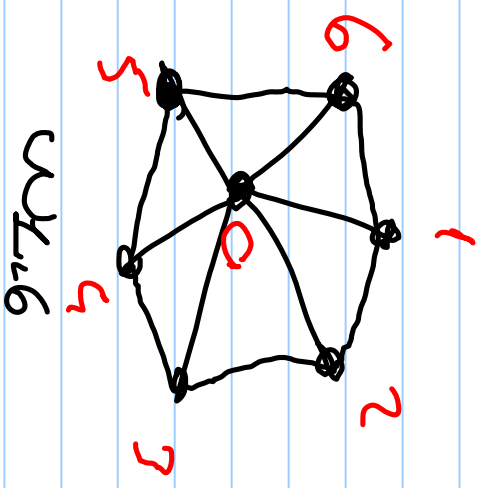
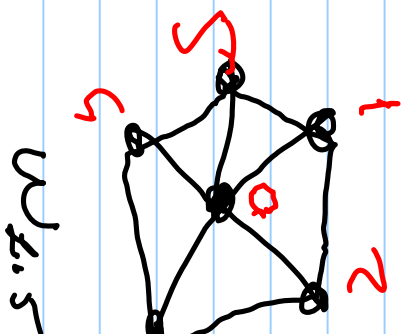
10.5.1

$$k_{\text{av}}(K_n) = n-1.$$

$k(K_n) = n-1 \Rightarrow \forall v \in V(G)$ in $S_v(K_n) = n-1$ dir.

Tekelek sofl

$$k_{\text{av}}(W_{L,n}) = ?$$



$$S_a(w_{1,5}) = \{a, 1, 5\}$$

$$= \{a, 2, 5\}$$

$$= \{a, 2, 5\}$$

3 elements

$\forall v \in \mathcal{N}(w_{1,n})$ i.e. in

$$S_v(w_{1,n}) = 3$$

\ll

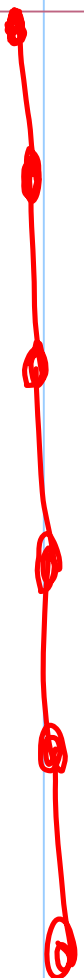
$$|k_{av}(w_{1,n}) = 3.$$

~~3~~

Polinom Zanneda Maximalidir?

Conductivity polinom Zanneda Maximalidir,
Ordeberi alt Conductivity 'de polinom Zanneda
Maximalidir.

$$I(p_n) = ?$$

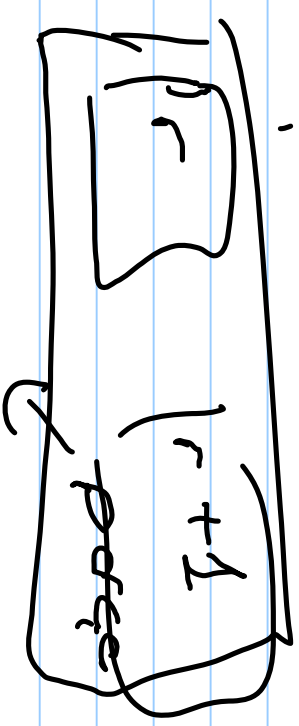


$$\frac{|S|}{n-s}$$

$$\frac{1}{2}$$

$$\frac{2}{3}$$

...



end.

#) Teoremi } G self- n tegeol: wir self dyan.

Bu dyananda $m(G-S) \geq$

$$\frac{n-151}{w(G-S)}$$

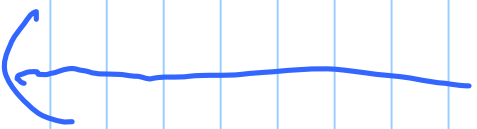
} self dyan
 } dyan
 } min tege.

S, chul dyan

sona dyan dyan

grydaly: en budy

pacanur dyan dyan.



$$f'(r) = 1 + \frac{-1 \cdot (\overbrace{r+1}) - 1 \cdot (n-r)}{(r+1)^2}$$

$$\frac{r^2 + 2r + 1 - \cancel{r} - \cancel{1} - n + \cancel{r}}{(r+1)^2}$$

$$r = 2\sqrt{n+1} - 2$$

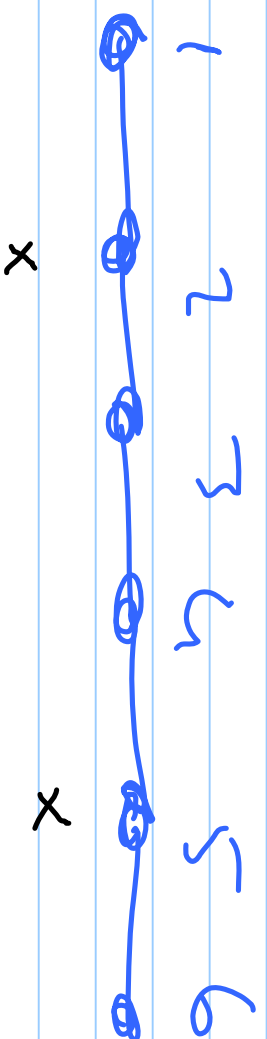
into

$$I(p_n) = \left[2\sqrt{n+1} \right] - 2.$$

$$\underline{\underline{P_6 \text{ can:}}} \quad I(P_6) = \left[2 \sqrt[n]{7} \right] - 2$$

$$= \left[2 \cdot (2.6) \right] - 2$$

$$= 6 - 2 = \underline{\underline{4}}$$



$$\frac{5}{\{2,1\}}$$

$$\frac{151}{1}$$

$$\frac{n(6-5)}{4}$$

$$\frac{I^*}{5}$$

$$\{2,5\}$$

$$2$$

$$2$$

$$4$$

$$\cdot \left\{ \begin{array}{c} \cdot \\ \cdot \\ \cdot \end{array} \right\}$$

$$6$$

$$\{2,4\}$$

$$2$$

$$2$$

$$4$$

$\{2, 4, 5\}$

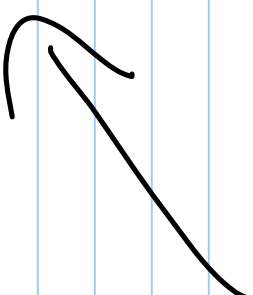
3

1

4

⋮

$$I(p_6) = 4$$



$$I(p_n) = \left\lfloor 2\sqrt{n+1} \right\rfloor - 2$$

Celina's Sarsa!

$$I(c_n) = 0$$



~~Defn:~~ $I(c_n) = \int 2\sqrt{n^2} - 1 \cdot$

$$I(k_n) = ?$$

$$I(k_{1,n}) = ?$$

$$\{2\}$$
