Jay lok, ce bob boeku Heopmett.

yat una not on boeku book c

Herette crement go gryz box c

Herette crement.

Screen clipping taken: 27-Dec-21 10:2:

Peur. Zd(v) = 2/E/

Hexa  $u \in V$   $u = d(u) = 1 \pmod{2}$  u + lka u = zaa = a clippzattera kommenteur $<math>G'(V', E') - (G' \in G)$ 

 $\rightarrow \sum_{v \in V'} d(v) = 2|E'|$ 

Unane viet of u go been gryz copex & G!.

Lovi, the b bi hama gryz copex c Hezertha crement. =>  $\sum_{v \in V'} d(v) = d(u) + \sum_{v \in V'} d(v) = 1 \pmod{2}$ 

Hezerto क्रम्

=>6 6 una u gpyr cprox c Hec. crenom

(w...u)q € €

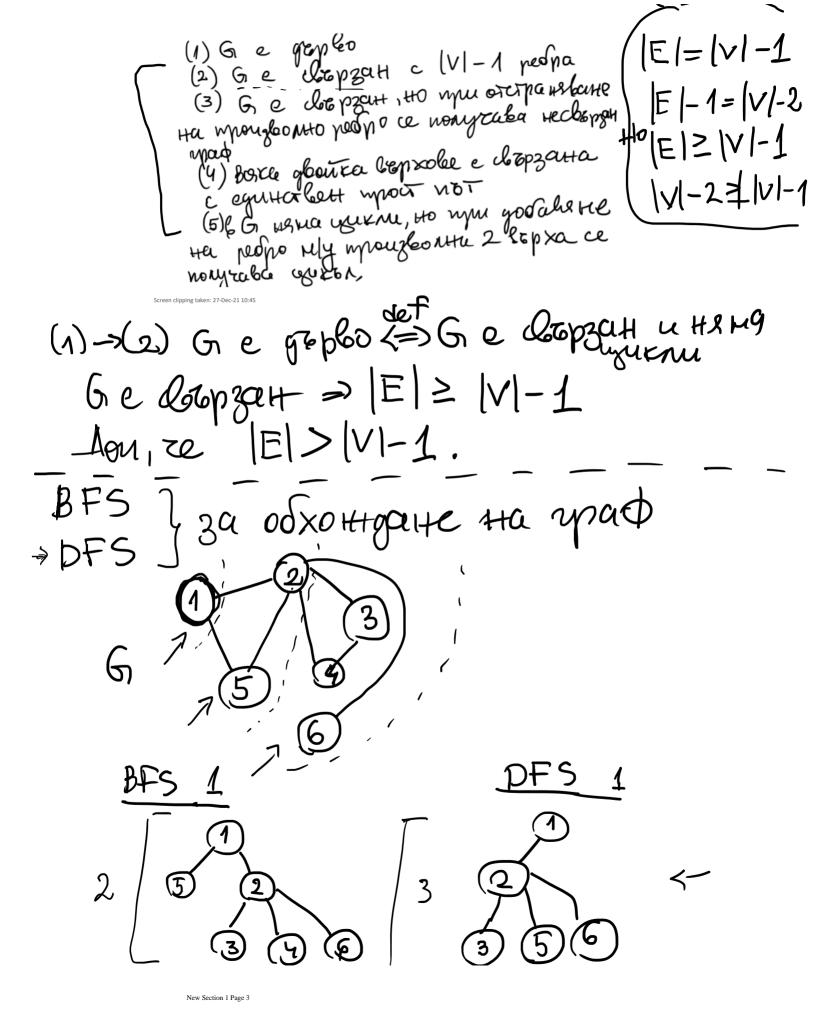


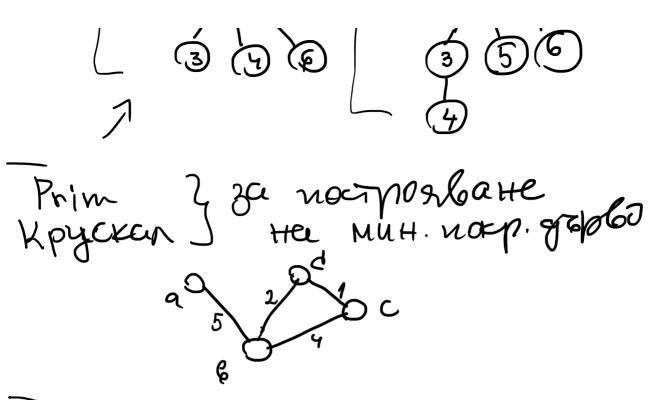
11-1- mula-nere d

3 cy Pedpata 6 K6 ca orghetetta le cutto u replato Aox, re le K6 una Trus rentra c eguro y bettu propa

Yeur. a De vyruzer 5 perpa. F.O.D MOHEN GA CZUTONE, TE OT A UZMZATY 3 cutu peoparize re ca (a,b), (a,c) u (a,d). Non le 1940 egytous ent D & Ks. Torola: · (b, c) e repletto (utare a-6-c-a) e equousement s · (Cd) e repletto (uttere a-c-d-a e egstoylerest s) tho(6,d) He noutre gre e truto cutto (a-6-d-a), HUTO repletto (6-c-d-6), 3 => & KG LEMA EGYTO glettett \_ . (1) G o membeo 

New Section 1 Page





AUNKCIPCE - antopritor za Herminare Her MUHUMANTER NOTUNGE OF gaget 6 ptox go banter octation.

 $\frac{1}{\sqrt{2}} = \frac{1}{\sqrt{2}} = \frac{1$ 

(2)-3(3) Gre disposer c 1/1-1 peopa => Aro nax Herr 1 peopo, ye ocratien

V -2 profice. Ho Toraloa Hena ger e  uzneahetto yenolwetta za clopzatoct Hen  maφ, T-e.  E =  V -2 <  V -1,    α → β ( E ≥  V -1  HY za clopzatoct)
(3)-(4) Hera u, v E V ca chepzathu c 2 whoch note. => uma yuton & Gr  => Aro whomax Hem peopo ot yurona, chepzatrocta ha G 12 ma ga a mpo matu
> +u,v & V , + , P ( u, V)
(4)-7(5) za tri, vel ; F. p(uv) => Aco godalum (u.v) vem E, ye nompum yukor. P.
$u \circ \circ \vee$
Ha peopo ce nocles lea guesto.  Aonte la 4e e Clapzati

 $\Rightarrow$   $\exists u,v \in V, za kouro <math>\sharp p = (u-v)$ => Karo godaleum (u,v) stem E Hrma ga ce nomme yensten y => Gregopho (chepsatt yestem) 3ay. Au ce gox, ce axo le mand c n bepixa una n-1 buchuyu l'opxa, ro mater e unu geplo, unu He clapsont. Pey. 3Herem Zd(v) = 2/E/ Ke crenetta ) Her north byex  $\sum_{v \in V} d(v) = (n-1).1 + k$ 05K = N-1 Unane 2 caycas: 1) k = n-1 ->  $\sum_{v \in V} \Delta(v) = 2(n-1) = 2|E| = N-1$ 1) k = n-1 ->  $\sum_{v \in V} \Delta(v) < 2(n-1)$   $v \in V$ 2/E/ / 2(n-1)

E/ / 2(n-1)

HE CE 1304 Bay, Hexa ni e drogm the leuczujute benjobel the gepleo c n lepixa, tukan

or vouse the o or crevent 2. All le gue, ce not 2 ½ t.1 Peu.  $\sum_{v \in V} d(v) = 2|E| = 2(|V| - 1) = 2(n-1) =$  $\sum_{v \in V} d(v) = \sum_{v \in V_1} d(v) + \sum_{v \in V_2} d(v)$ , Legero  $V_1 = \{ v \in V \mid d(v) = 1\}$   $V_2 = \{ v \in V \mid d(v) \neq 1\}$ >> \subseteq q(v) = N1 + \subseteq q(v) Or yonobiero Ha zag. => tvEV2, d(v) ≥3  $\sum_{v \in V_2} d(v) \geq 3. (n-n_1)$ open Helenchyn Copxole  $(2n-2) = \sum_{v \in V} d(v) = N_1 + \sum_{v \in V_2} d(v) \ge (N_1 + 3(n-n_1))$ 2n-22 n, +3(n-n1)  $2n-2 \ge n_1 + 3n - 3n_1$ 

2m12 n+2 m2 = 2+1

3ag. Hera D= d1, d2, ... dn, dieNt n=2 e pequese rucha Aok, ze D e pequese or creverture Her legyxble Har gepleo Toralea u camo morala, xoraro e lapro, re Ždi = 2n-2.

Peul. [] Herce  $d_{11}d_{2}$ ...  $d_{n}$ ,  $d:EN^{\dagger}$ ,  $n\geq 2$ e perma or creneur +a 60 pxole +a osplet =>  $\sum_{i=1}^{n} d_{i} = 2|E| = 2(|V|-1) = 2(n-1) =$ = 2n-2

The uznongloane uttgykens no opon ten minare le pequesera. (no n)

Toralea very negroto genles?  $p^2$ 

Un Hera za treguya or zuna

d1, d2...dn, d; ∈ N+, n≥2, ∑d:=2n-2 conjectente gep60 coc crenerse na bapalere d1...dn. UC - 3a J.P.