between	arduent	工

			•
Pic	396	S	7

U. umpos of vocas

undirectoca

(= number of induscrical lutes inneglect Graph G

Proof:

a ラララララフラフラ

a) The rubes of rocks with odd degree is ever

we mas.

Z degrees (n) = 2 l

split his into roces with ever degree and add digree

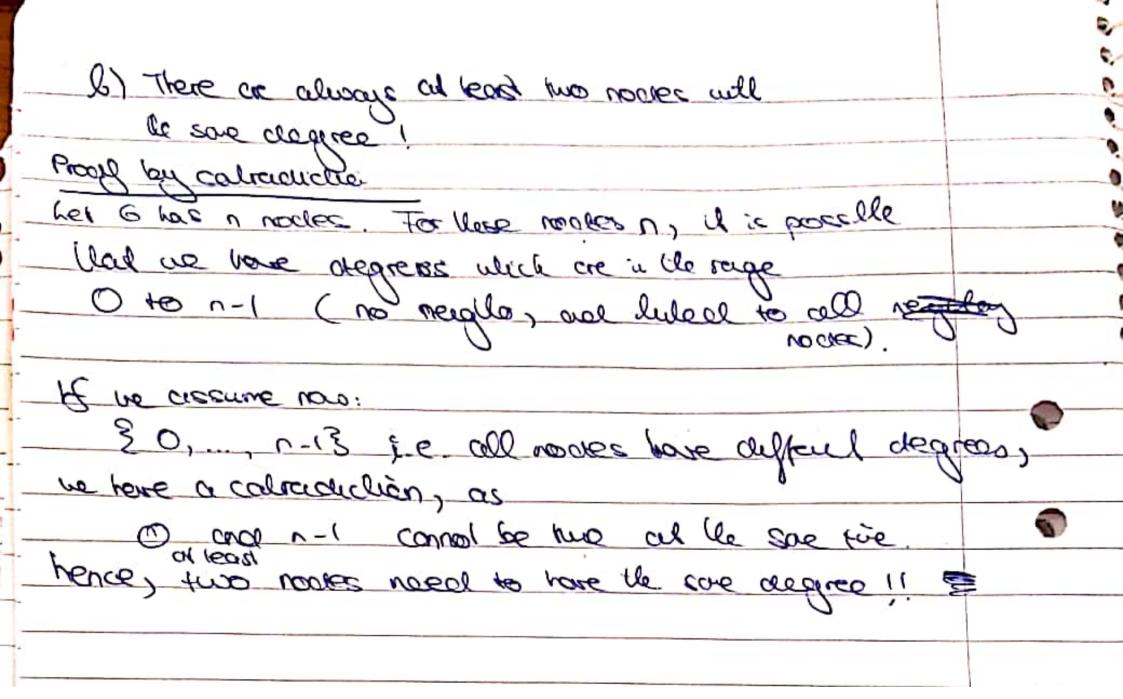
S a(u) I S a(u) = 3m uen Grey

Emal even

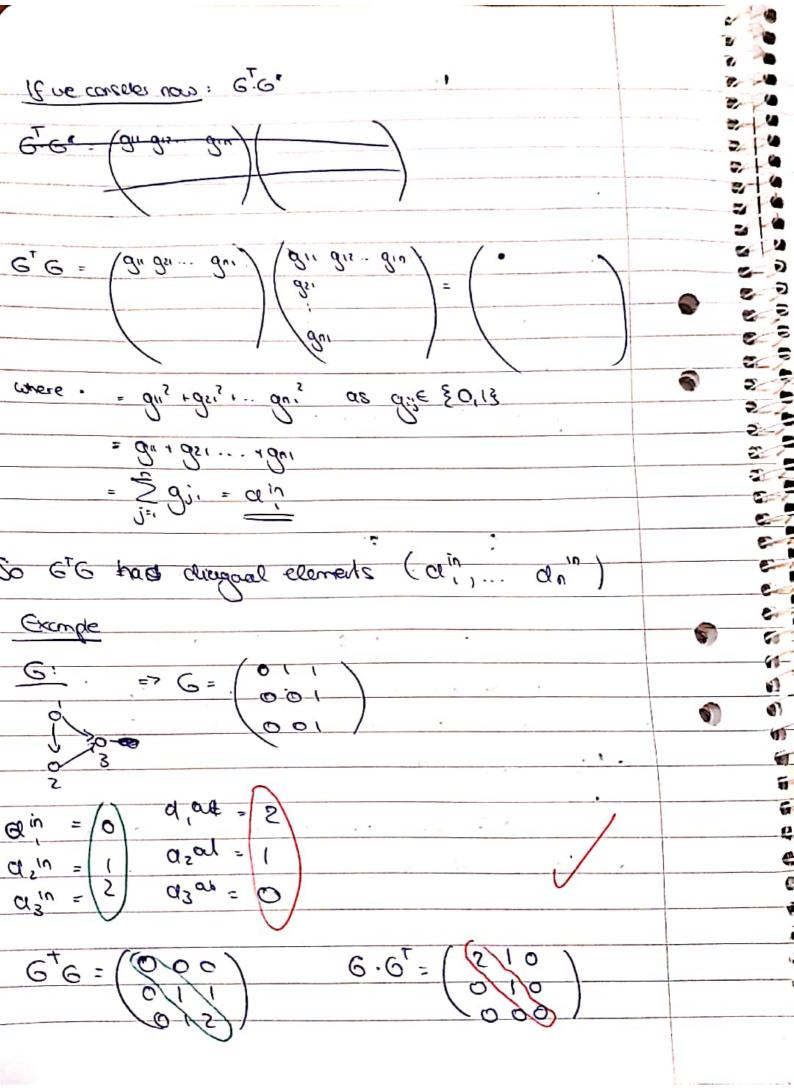
-> Qeen

=> even = 2 d(n) = 2m (even)

the reeds to be ever or well!



	Networks assignment I		
	Adoben 2 G agracency matrix of accelled and unucularly newel. Provide wherprobablic of G most 6 and 616.		
	hel's first consider GOGT		
	G has entires (Sin gin) where $\frac{2}{3}gij = doub (sin of row eutro) = doub (sin of row eutro)$		
	is, gis = din som af enhies per column represent		
ù.	cein af the rospertie calemn.		
	Dow.		
	G (((((((((((((((((((
	GG = 311 311 311 311 311		
	Bur Bur (Bu)		
	=> courger => 3", + dis 18" , ding = 8" , 815 + " + 8"		
	=> as we have here an unweighted graph, give £0,13.		
=	chaq (a, and,, chow)		
	> So the 6 6 matrix has original entires that composed		
	> So the 6 6 materix to ouriganal entris that composed to the espectie and acques af rance i		



Section 2 Bepolde removed duch A bypalle methods is a newal that connects two dry and sots U and U, such that soul but connects a U-norte and a V-norte. -> 1 can ware biologico of a war a Problem 3 dipulse nelsole Course Notbecard warms # It is Bal augasal maters as it is the adeposition materix cell a bepaule graph . In clast, to corrections with pals of il. Here it is block chappeal, becase notes 1 .- 6 are not Connected, one noted 7 to 11.

Mit CamScanner gescannt

The broke works and ducon
dison voctos
chooses 2
•
Chaol
Palvlias
but discu a bublic
0((7) = 2
cl(8) = 2
a(9) = 8 4
· (10) = 1
, Q(11) -1
10
-> 10 -2/

	•
Problem 3 cal'a	5
200 a 11 0 10 bad	52
=> Second bupper of the poop	•
	•
Bipalite remodes general consolurations	2
Esparlile returale as, rocks We nocies	
	•
· (max is fally connected	
Q,	
W, a luís tops!	
D ₂	
	-
=> In general D,. Dz luks!!	
- the same title count were composed to me hard	
· How may lules comes occur compored to non-sipal	
nechoir 0 s	
von bipalile graph: for N=1,112	
Maximum Kills N(H-1)	
2	
The afference (N,112) (W,+12-1) - U, W2 ?	
0. 2.	
cannot occur due to the carbaid	
Comment of the contract	
·	

C/ G/

the pay Demon account I

Problem 3 call'of



if N, cc D2, what can you say about network density? => Oposly = * luls

Crock = D,W2

=> Clensly. * lule if Dicc D2 Ven chendly cp. 1

10, N2 ve con see Val from

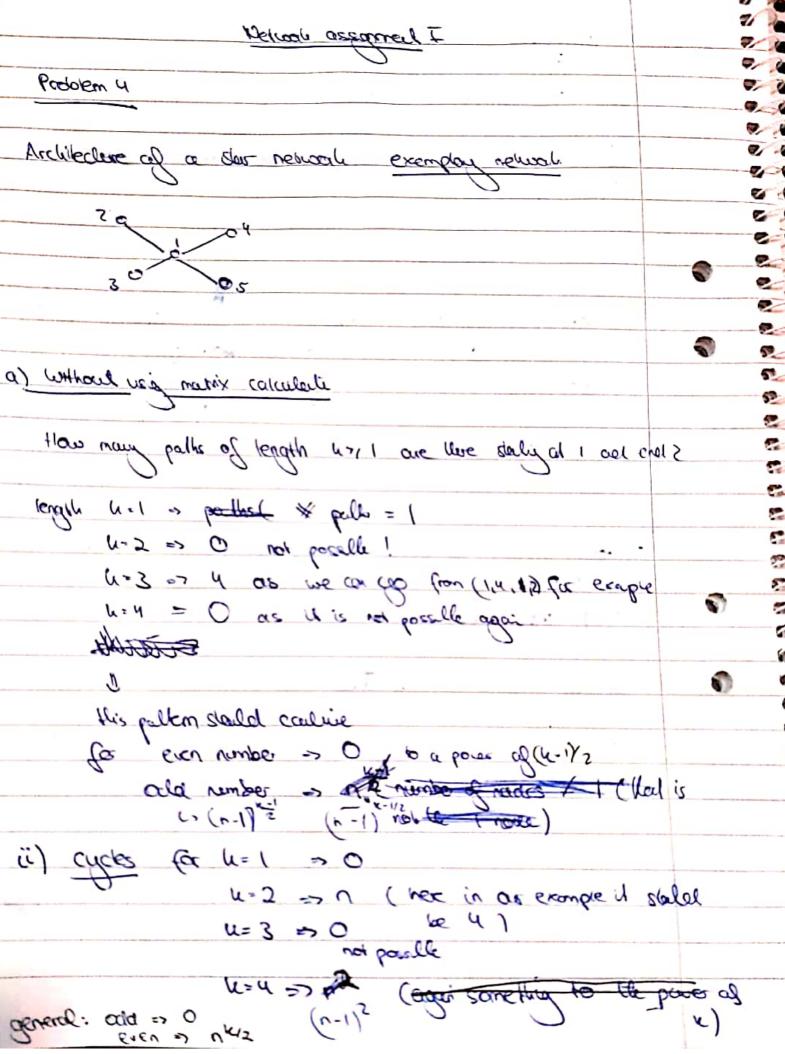
Cl = Cinha Soid M

where or pi cs i . -> close 10 200

· time a expression connectif D, De act average active for the two sets in the apolite retwood ckit and ckz => ??

In general we have: ... FBD

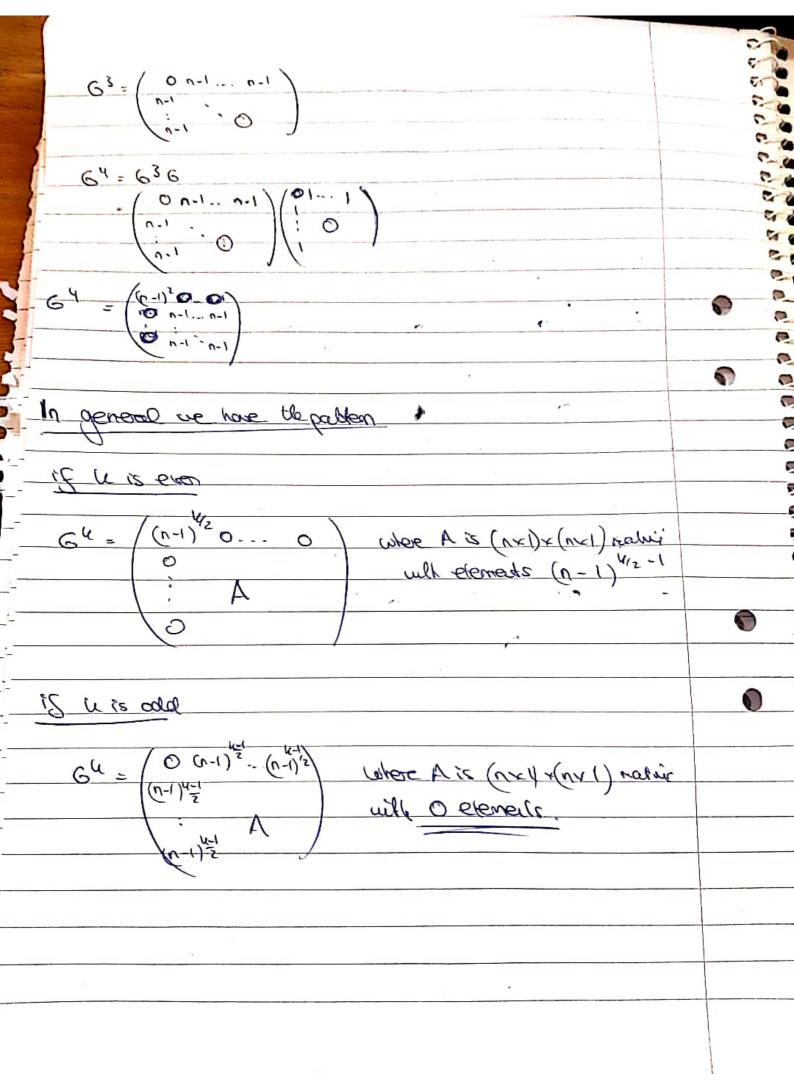
Ckr = 1 Zui BI



1 Cal.

1

Network assignment I Problem 4 D) who close the adjacenth worth To: le exempler nemour C) Compute few powers Q₅ = (00...0)



	Delval	assausy
Problem 4		

$$\begin{pmatrix} \hat{c}_1 \\ \vdots \\ \hat{c}_n \end{pmatrix} = \alpha \vec{\lambda} + \beta 6 \begin{pmatrix} \hat{c}_1 \\ \vdots \\ \hat{c}_n \end{pmatrix}$$

ラファラファラファラファ