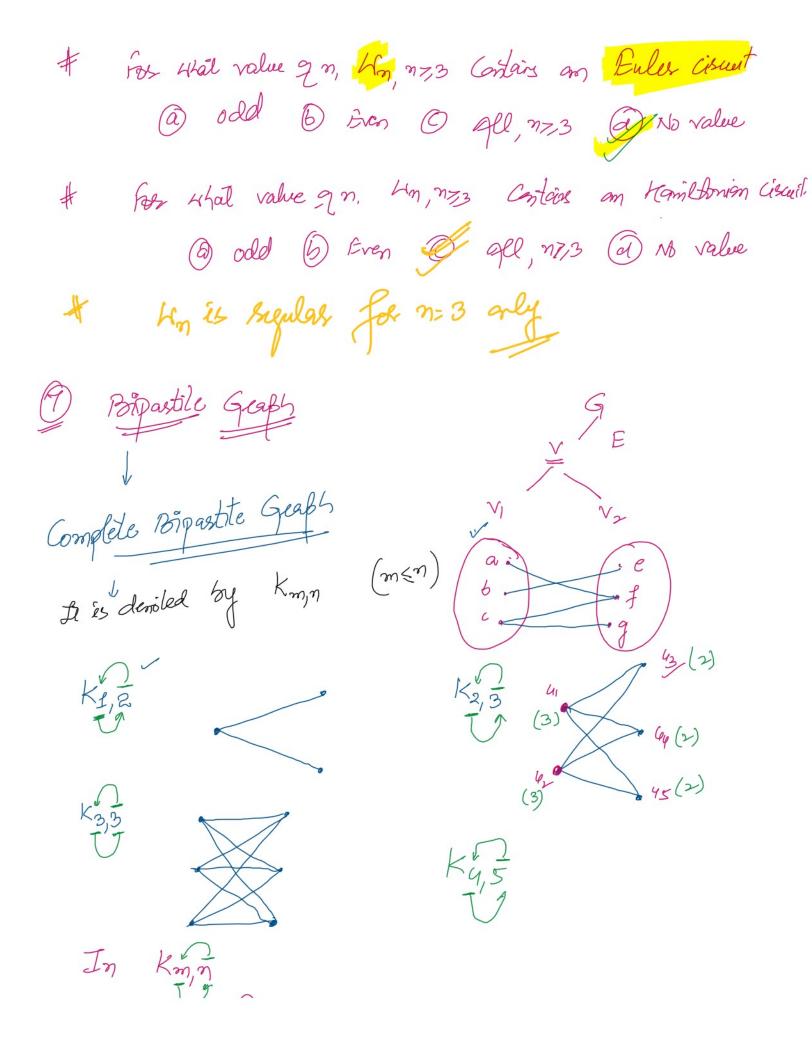
L27 11 April 2	2022	
(5) C	ycle graph: De is denoted by Con, n=3	(n -> no. g revises
v= S	28, 27 23, 20) VI	(7°)
C3-3	781,712, 113 C5	45 V2
	Vz	V ₃
C_{4}	re vez	rey
	Ne vy	
In	Cn, 77.3	
	1) Te no. g voetice = n	
	2) the deglee of every reven = 2	
	3 the no. 9 edges = n.	
	Handplaky = I deg(r) - 2e	
	2(n) = 2e	
# F	os Hál value of n, Con Contains on Eales	Circuit -> deg (u)= eres
(@ odd 6 Even of All, nz,3	a vo value
	In Cn, n73 des(h)= 2 = even	
# }	for ahat value of n, on contains an Hami	ltorian Ciscuit.
	@ add 6 Even @ all n7,3	(d) No Value

All cycle graph are signlar Wheel :-The wheel him, can be generaled with the help q Con, by impessing on existe voller al re centre and connect Veilen to every other vellen In 4n, 773 1) He no. 9 redices = n+1 is Loving deque = n 2def(n)=2e Handshaley Imm 3(n) + n(1) = 20



In km, n

The no.9 vectices = m+n

The define of mireusicu = n and degree of n remue = m

The no. of edge = m.n

Handshaky I'm Ideg(u) = 2e

m(n) + n(m) = 2e

dmn = & &

= = mn