PU	WAR	CRAPITS



'PLANTRITY' - O(IVI+1E1)

"PLIMAN EMBESDING"

CHARRETENTE PLANTE GRAPTS

KURATOWSKI'S 7+M

ONLY TONO NON-PLANNAR COMPHS!

"Homsomorute"

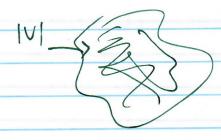




Komplete graph on 5 vertices

anylate 31 PARTITE

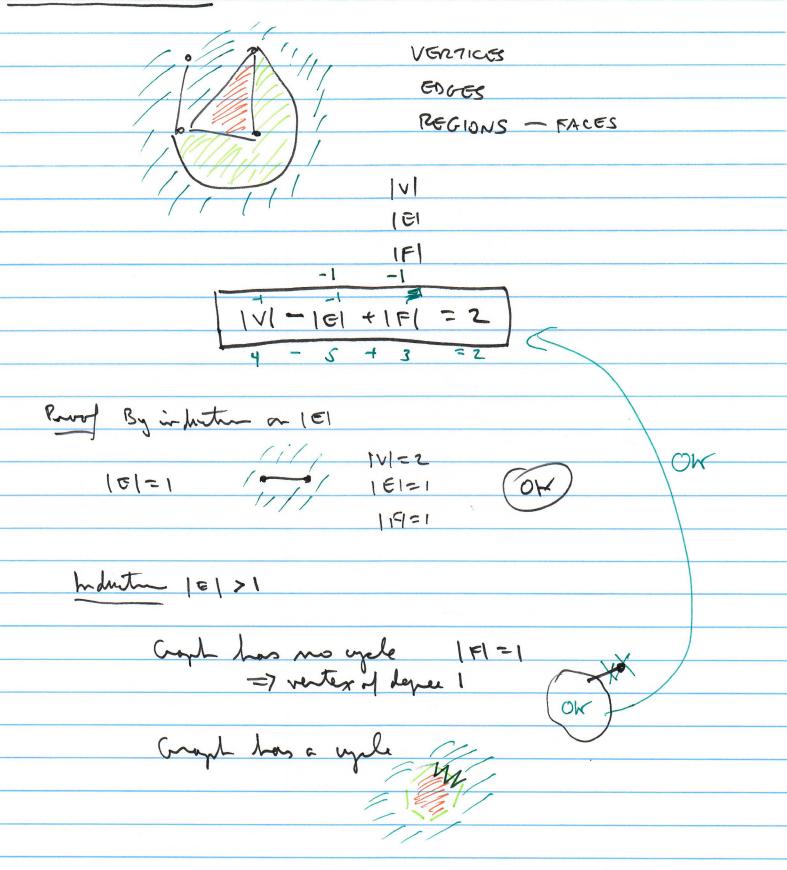
graph on 3,3 retires

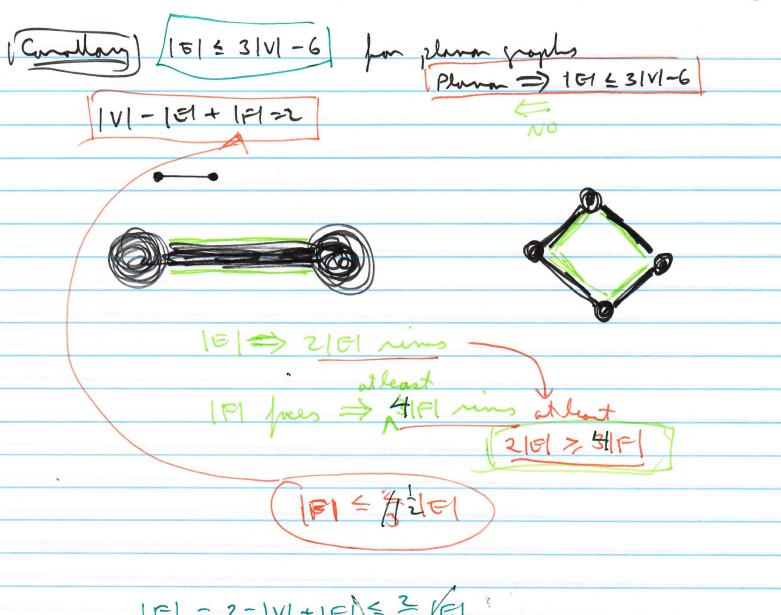


(IVI) - complete "?

@(IVI')

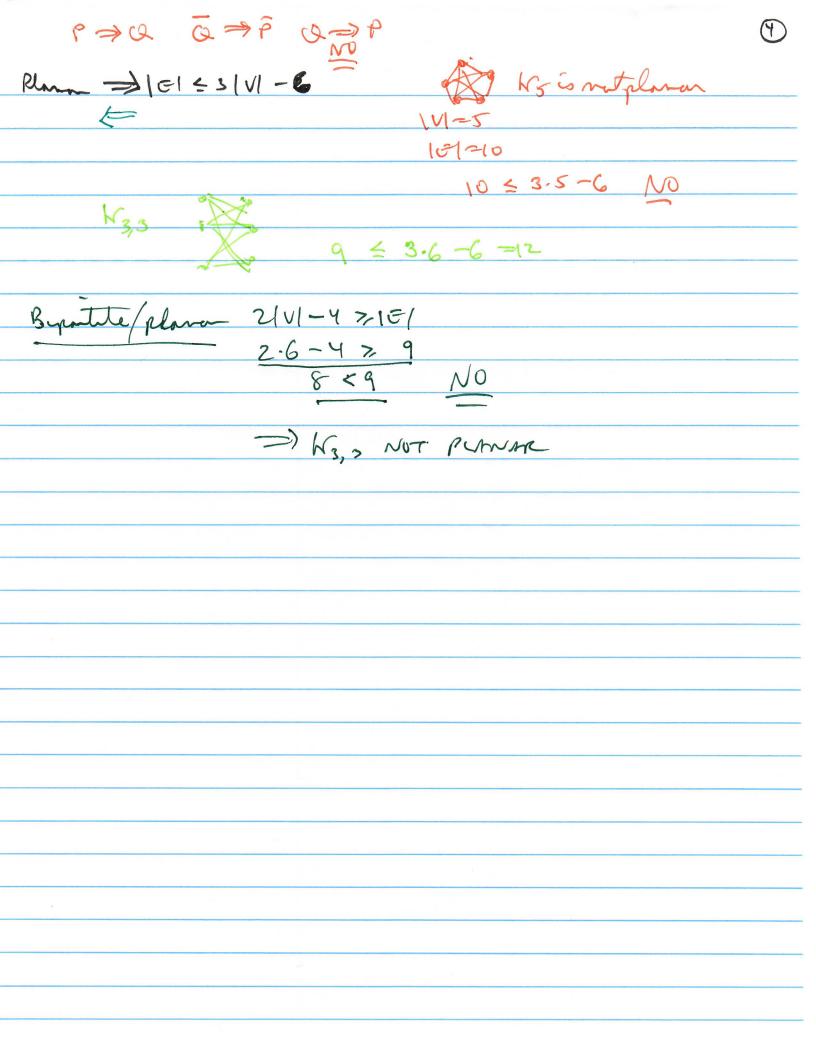
ENLER'S RORMULA





1F1 = 2-1V1+1E1 = 3/E1 6-3/V1+1E1 = 2 6-3/V1+1E1 = 0 1E1 = 3/V1-6

BIPARTITE
2/1/-4 > 1=1



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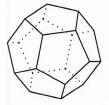
Platonic solids

CS 330 Discrete Structures Spring Semester, 2019

Cube



Dodecahedron



Tetrahedron

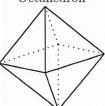


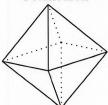
Icosahedron



Tetrahedron

Octahedron







Cube



Octahedron



Plane gaph w/P edges per force vertices of degree 9

Dodecahedron



Icosahedron



21E|= 9 |V| => |V| = = = 1 |E|

$$\Rightarrow \frac{3}{9} - (+\frac{2}{p} > 0)$$

$$\Rightarrow (p-2)(9-2) < 4$$