GRAPH THEORY

Vertex - Intersection pt.

Edge - Lines that connect vertices

Degree of a vertex =

of edges connected

to the vertex

Parallel edges - connect the Same 2 vertices Edges can only cross

at a vertex!

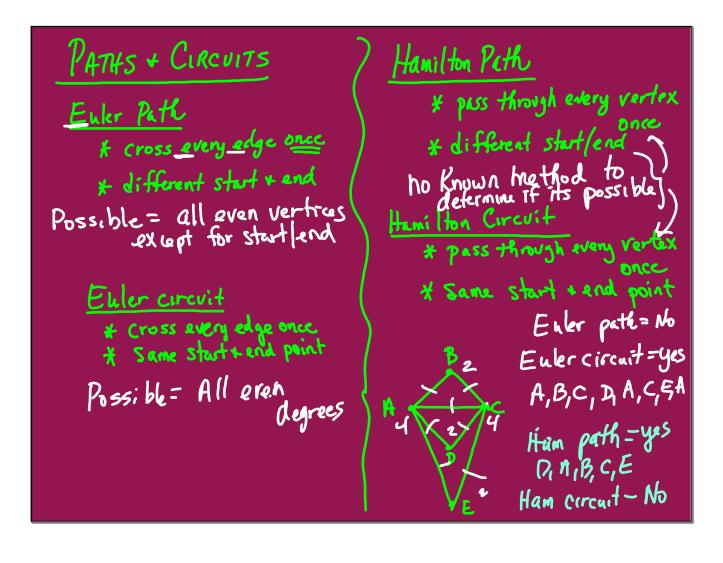
Second Omain

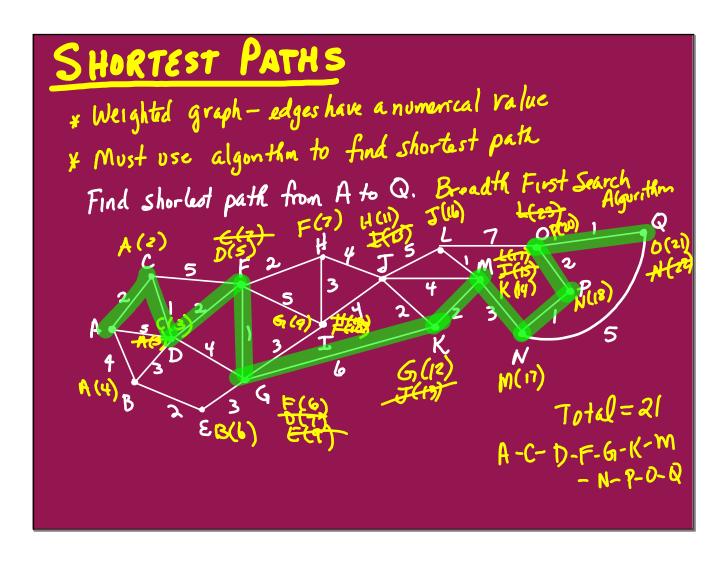
Lib 5 Commons

What vertices are adjacent to the Commons.

Lib, Mangyon, Kitchen







CRITICAL PATHS	Manufacturing a CD		
* directed graph	TasK	Time Required	Prerequisita TasKs
* the longest path between 2 vertices	S	5 mia 10	none
* try to find the minimum	V	12 9 15	u T,S
time to complete a task	W X	14	U,W
Foundation = 10 B(s	ا م	T(25) , W	(39)
Frame = 4 Roof = 5) (E) (V)	- Equi
Flectrical = 4		7(2 ²)	
Plumbing = 3 HVAC = 2	•) <u> </u>	40 mi	nurus
B-T-U-V-Y-E			

