

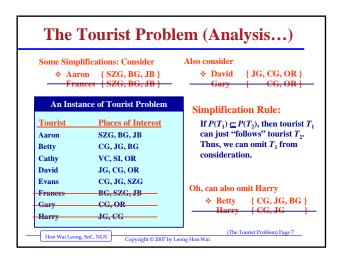


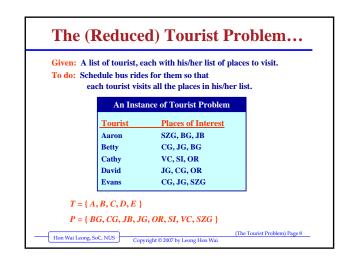
lo: Schedule	guided tour	h with his/her list of p rs for them so that Ill the places in his/her	
	An Instance	e of Tourist Problem	
То	urist	Places of Interest	
Aa	ron	SAC, TS, RS	
Bet	ty	QD, YZL, TS	
Cat	thy	PPL, ECP, SMA	
Da	vid	YZL, QD, SMA	
Eva	ans	QD, YZL, SAC	
Fra	inces	TS, SAC, RS	
Ga	ry	QD, SMA	
	rry	YZL, QD	

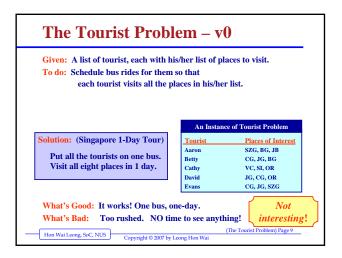


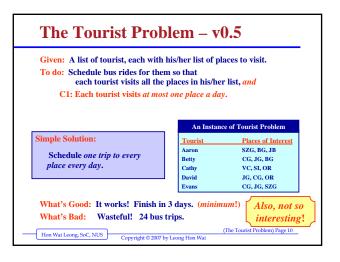
	1 A A A A A A A A A A A A A A A A A A A	ach with his/her list of pla is for them so that	ces to visit.
		ts all the places in his/her	lict
each t	our ist visi	ts an the places in ins/ner	
	An Insta	nce of Tourist Problem	
T	ourist	Places of Interest	
A	iron	SZG, BG, JB	
Ве	etty	CG, JG, BG	
Ca	athy	VC, SI, OR	
Da	rvid	JG, CG, OR	
Ev	ans	CG, JG, SZG	
Fr	ances	BG, SZG, JB	
Ga	ary	CG, OR	
ц	arry	JG, CG	

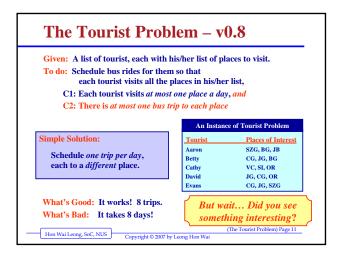
🗆 Go	od to know the ent	ities v	we are dealing with.
*	The Tourists:		
	$T = \{A, B, C, D, E, F\}$	G, G, H	}
*	The Attractions (Plac	es):	
	$P = \{BG, CG, JB, JC\}$. OR.	SI, VC, SZG }
	· · · · · · · · · · · · · · · · · · ·	5, OR,	SI, VC, SZG }
	· · · · · · · · · · · · · · · · · · ·	<u> </u>	, , ,
Place	$P = \{BG, CG, JB, JC\}$	<u> </u>	, , ,
	<i>P</i> = { <i>BG</i> , <i>CG</i> , <i>JB</i> , <i>JC</i> Places of	Attract	ion
Place	P = { BG, CG, JB, JC Places of Common Name	Attract Place	ion Common Name
<u>Place</u> BG	P = { BG, CG, JB, JC Places of <u>Common Name</u> Botanical Gardens	Attract Place CG	ion <u>Common Name</u> Chinese Gardens

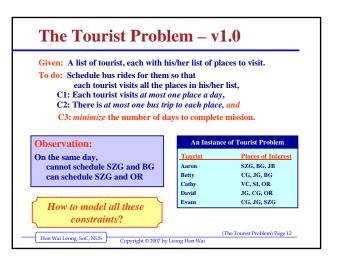


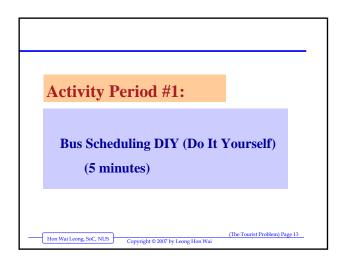


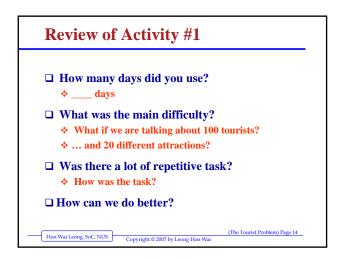


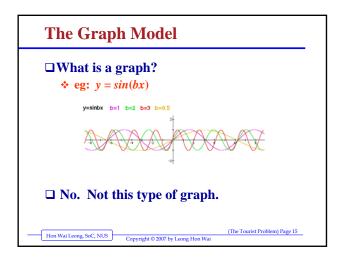


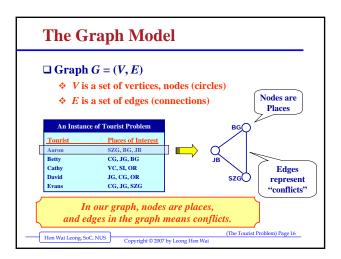


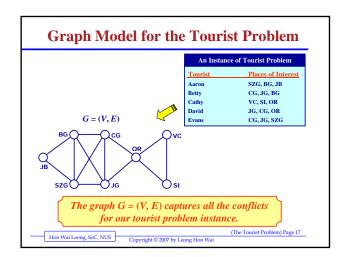


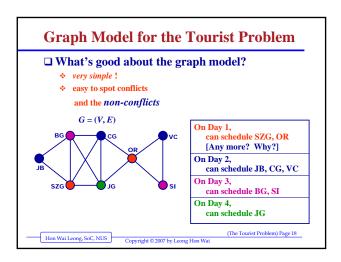


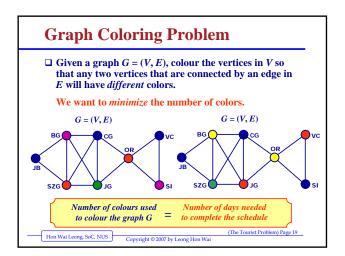


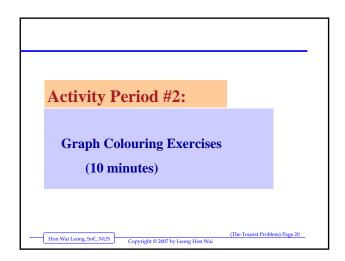


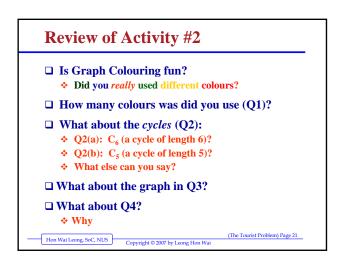


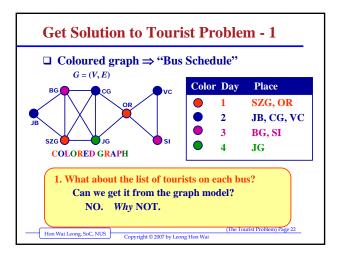


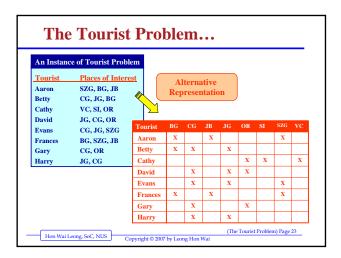


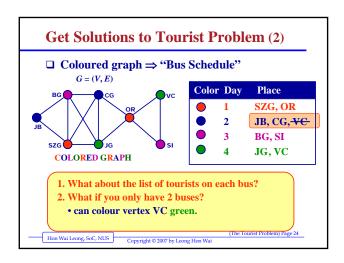


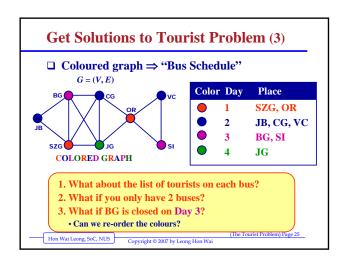


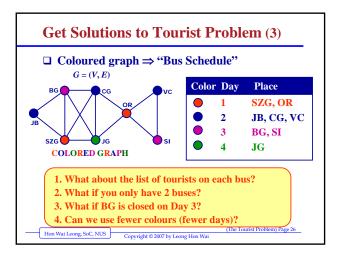


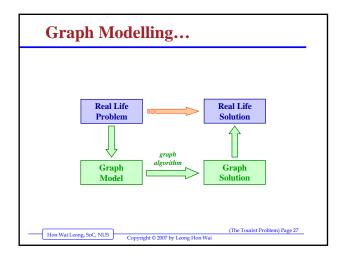


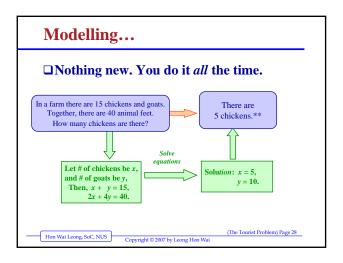


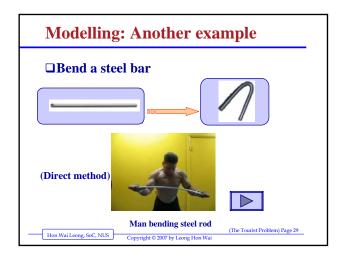


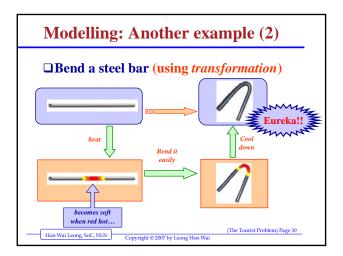


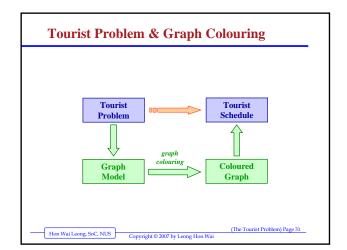




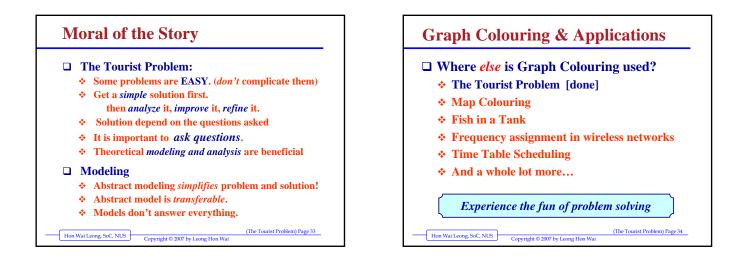


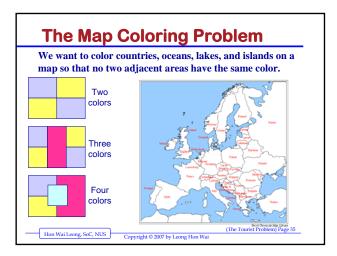


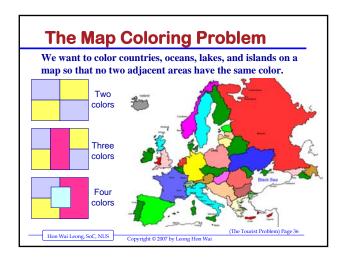


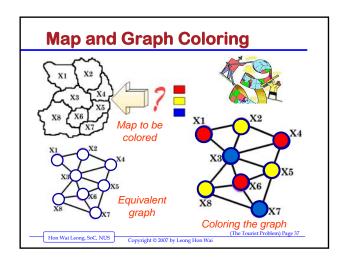


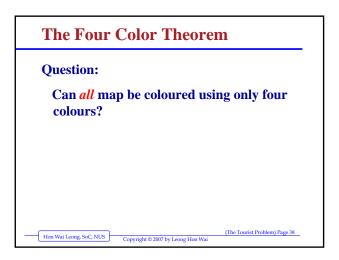
Recap: Our Graph modelling				
Graph Model	Tourist Problem			
Nodes	places			
Edges / Conflicts	tourist want to visit both places			
Colors	bus trips to places			
Others	The tourists			

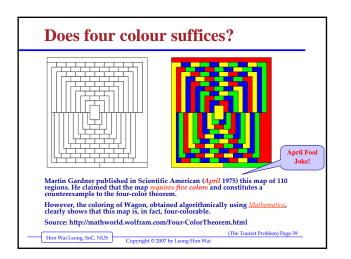


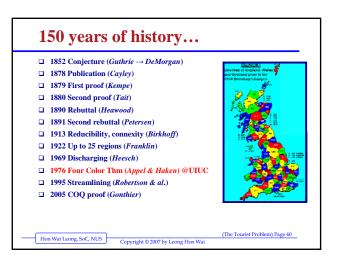


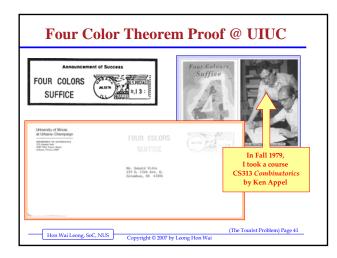






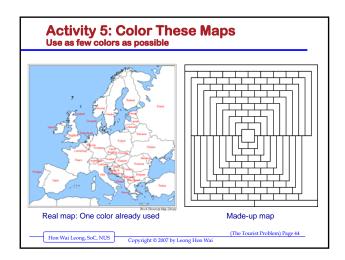




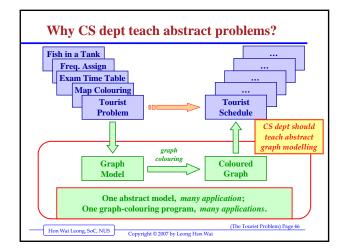








	Tourist Problem	Fish in a tank	Frequency Assignment	Map Coloring
Nodes	places	fishes	radio stations	Countries
Edges / Conflicts	tourist want to visit both places	cannot be placed in same tank	interference if placed too near	share a common border
Colors	bus trips to places	fish tanks	signal frequencies	color
Others	The tourists			



Defension Output Defension <p

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