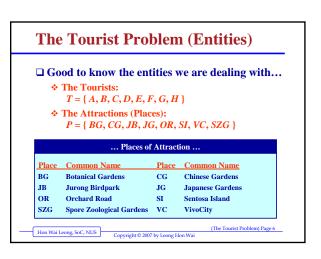


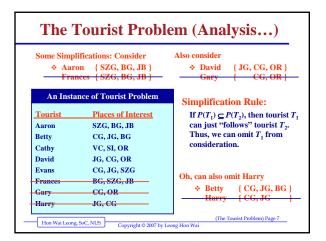


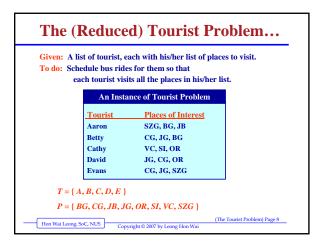
do: Schedule	guided to arent visits	ch with his/her list of p urs for them so that all the places in his/he	
	An Instan	ce of Tourist Problem	
To	urist	Places of Interest	
Aa	ron	KLCC, SLTP, BB	
Bet	ty	MWTP, BH, SLTP	
Ca	thy	tC, Bgs, MVM	
Da	vid	BH, MWTP, MVM	
Eva	ans	MW ^{TP} , BH, KLCC	
Fra	inces	SLTP, KLCC, BB	
Ga	ry	MWTP, MVM	
	rry	BH, MWTP	

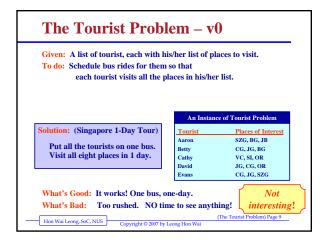


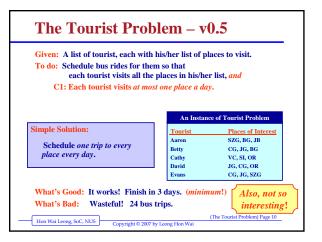
 iven: A list of tourist, each with his/her list of places to visit. o do: Schedule bus rides for them so that each tourist visits all the places in his/her list. 				
An	Instance of Tourist Probler	n		
Tourist	Places of Interest			
Aaron	SZG, BG, JB			
Betty	CG, JG, BG			
Cathy	VC, SI, OR			
David	JG, CG, OR			
Evans	CG, JG, SZG			
Frances	BG, SZG, JB			
Gary	CG, OR			

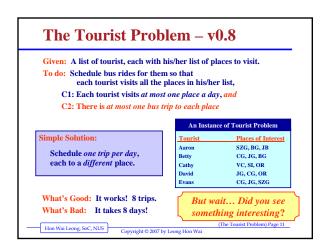


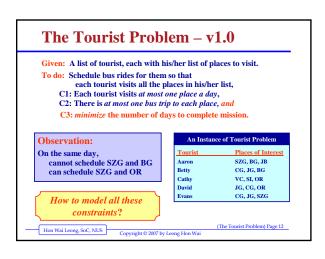


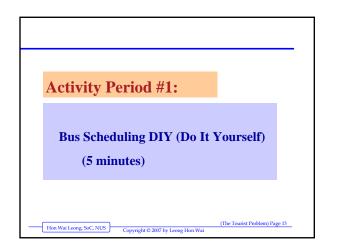


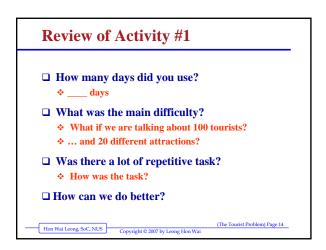


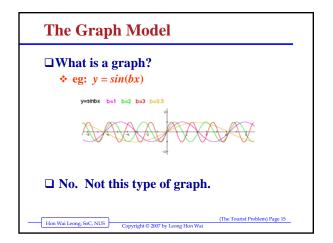


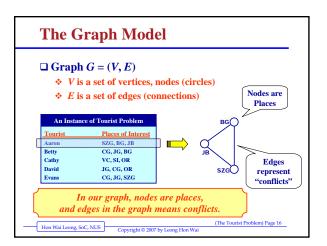


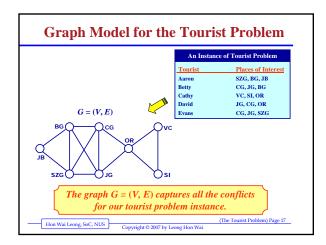


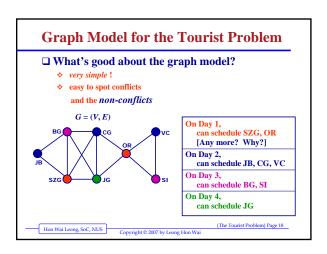


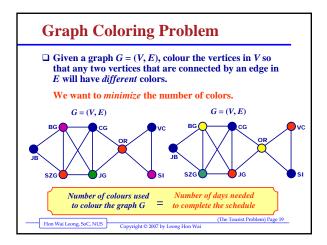


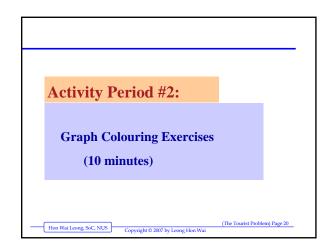


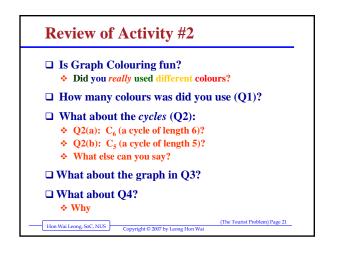


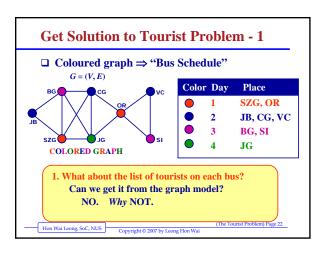


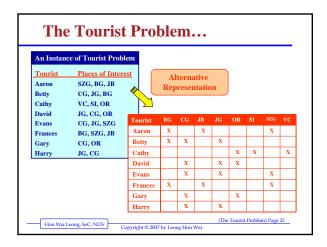


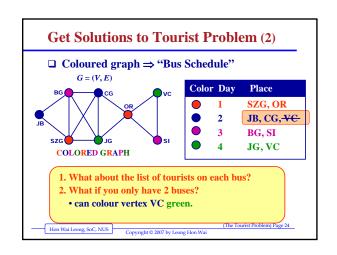


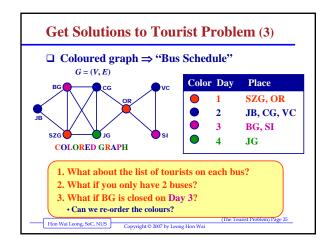


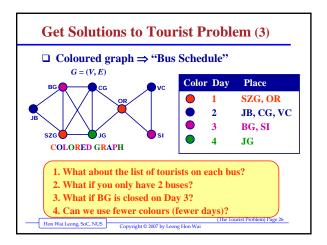


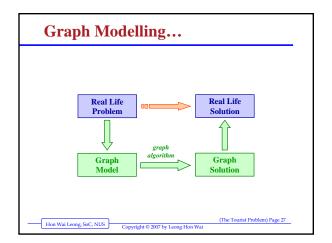


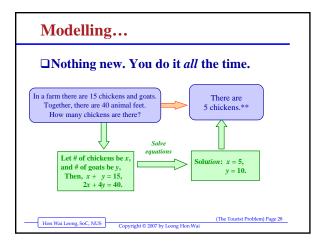


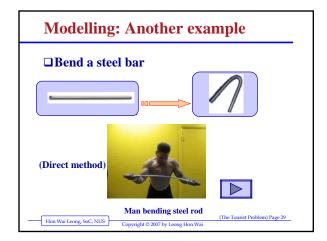


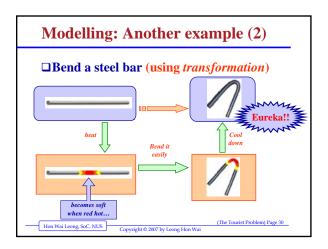


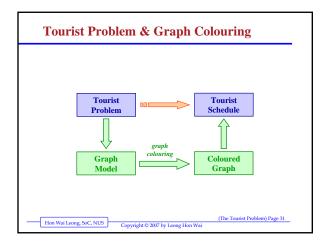




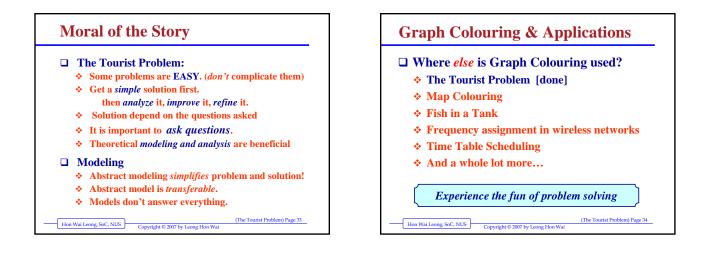


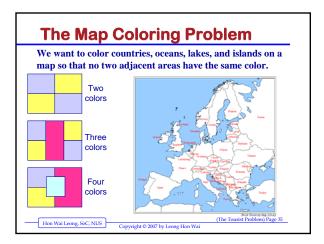


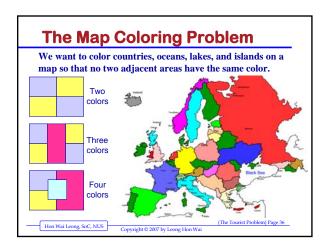


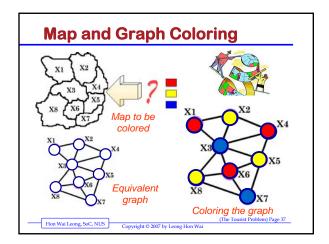


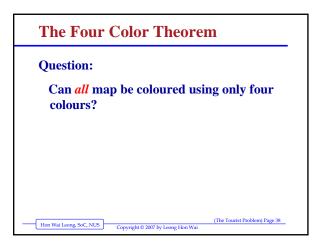
Recap: Our Graph modelling					
Graph Model	Tourist Problem				
Nodes	places				
Edges / Conflicts	tourist want to visit both places				
Colors	bus trips to places				
Others	The tourists				

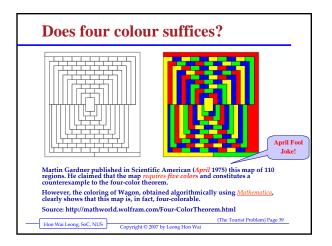


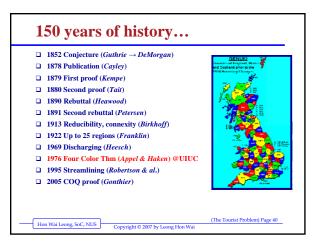


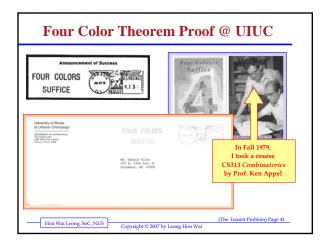


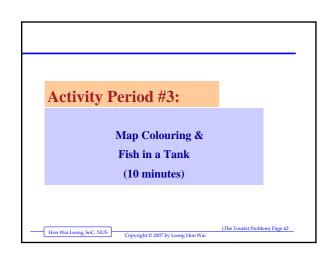


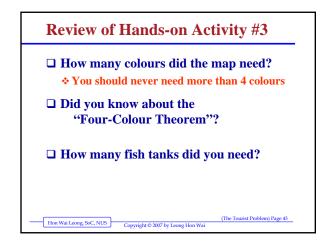


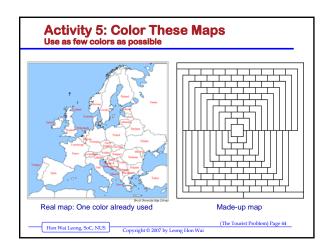




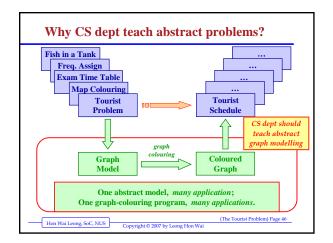








Colors praces praces <th></th> <th>Tourist Problem</th> <th>Fish in a tank</th> <th>Frequency Assignment</th> <th>Map Coloring</th>		Tourist Problem	Fish in a tank	Frequency Assignment	Map Coloring
Colors bus trips to places fish tanks fighad too near common border	Nodes	places	fishes	radio stations	Countries
places fish tanks frequencies color	Edges / Conflicts	to visit both	placed in	if placed	common
Others The consists	Colors		fish tanks		color
The tourists	Others	The tourists			



References...

On Graph Coloring and Applications:

- 1. http://www.geom.uiuc.edu/~zarembe/graph3.html
- $\label{eq:linear} \textbf{2.} \quad \underline{http://www.colorado.edu/education/DMP/activities/graph/ddghnd03.html}$
- 3. Lots of other links available

On the Four Color Theorem:

- 1. http://en.wikipedia.org/wiki/Four_color_theorem
- 2. http://www.maa.org/reviews/fourcolors.html
- 3. http://www.math.gatech.edu/~thomas/FC/fourcolor.html
- 4. http://www.mathpages.com/home/kmath266/kmath266.htm

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