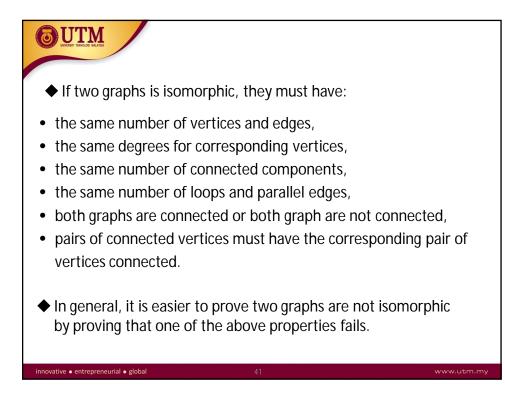


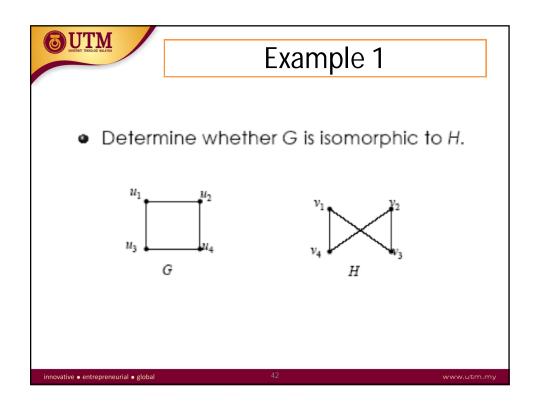
## Definition

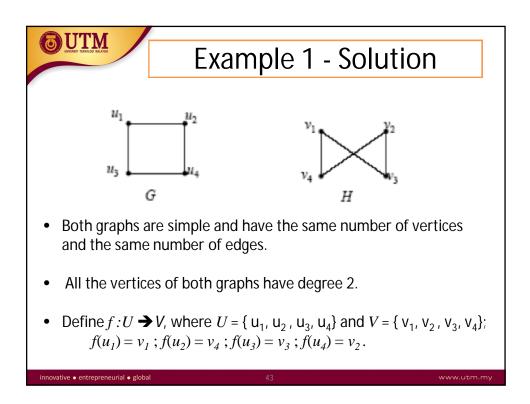
**DUTM** 

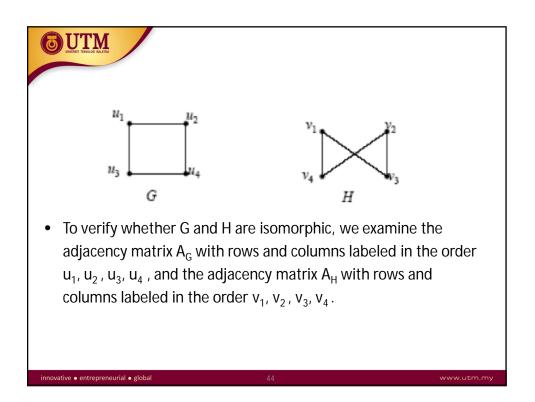
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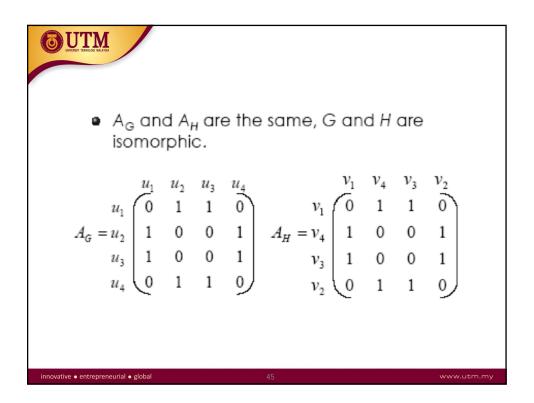
Let  $G = \{V, E\}$  and  $G' = \{V', E'\}$  be graphs. G and G' are said to be isomorphic if there exist a pair of functions  $f: V \to V'$  and  $g: E \to E'$  such that f associates each element in V with exactly one element in V' and vice versa; g associates each element in E with exactly one element in E' and vice versa, and for each  $v \in V$ , and each  $e \in E$ , if v is an endpoint of the edge e, then f(v) is an endpoint of the edge g(e).

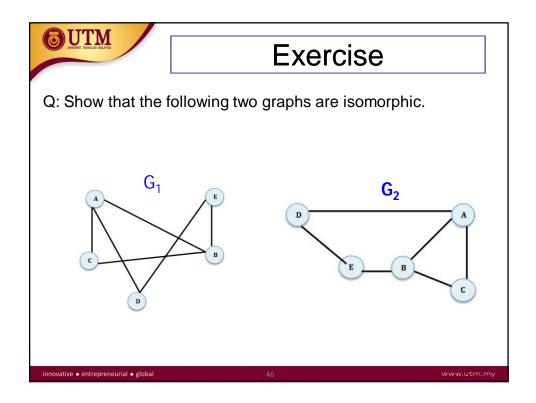


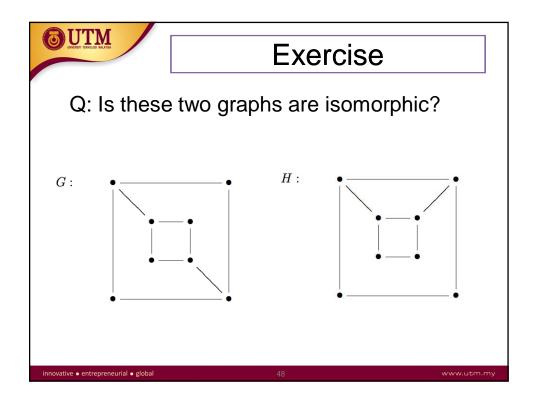


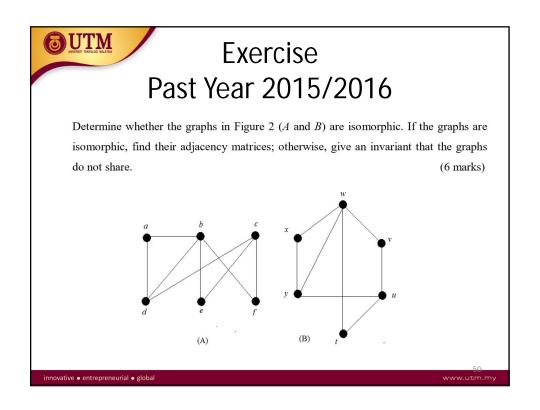




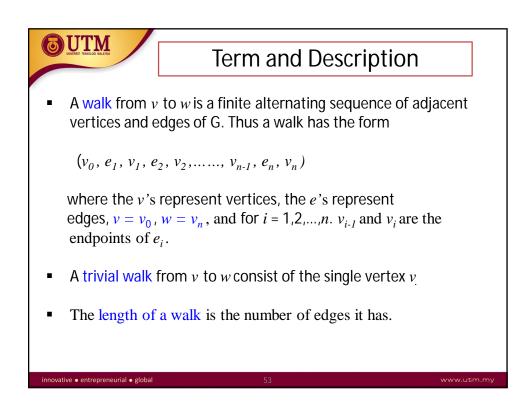


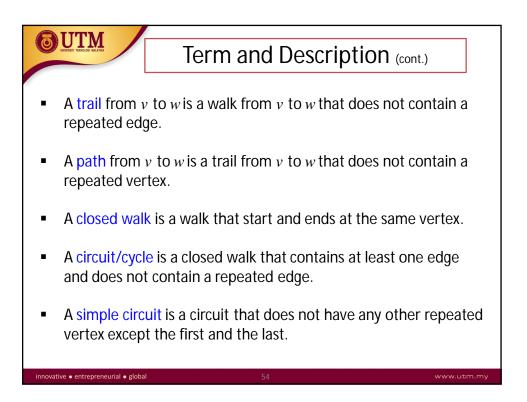


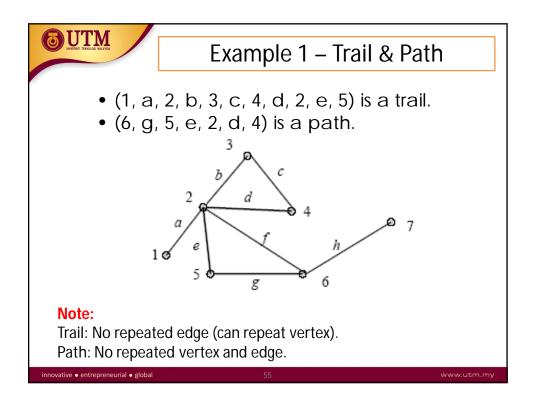


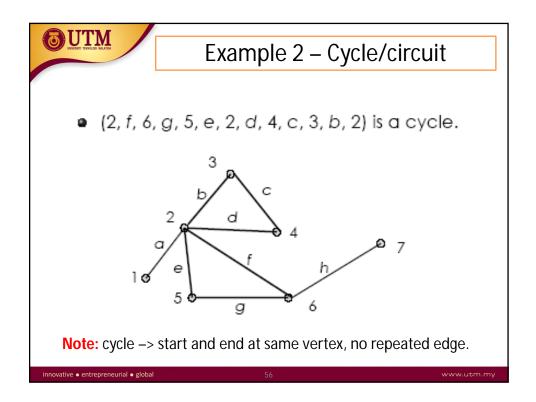


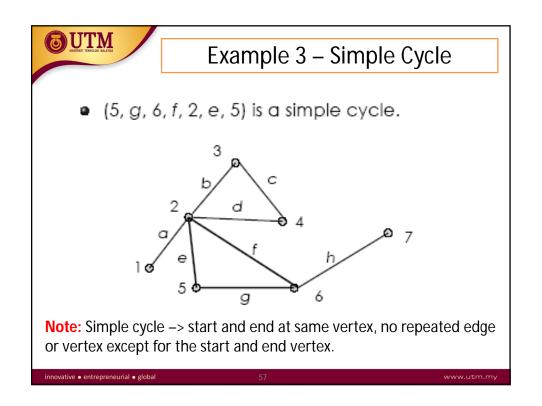


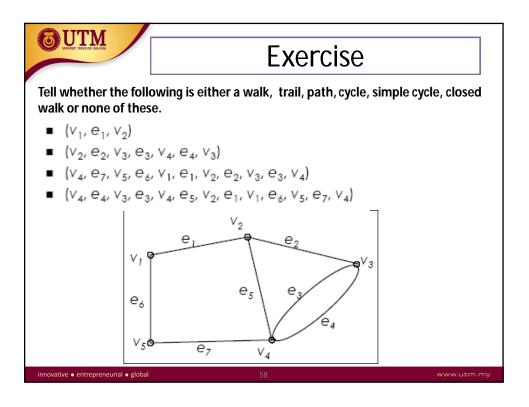


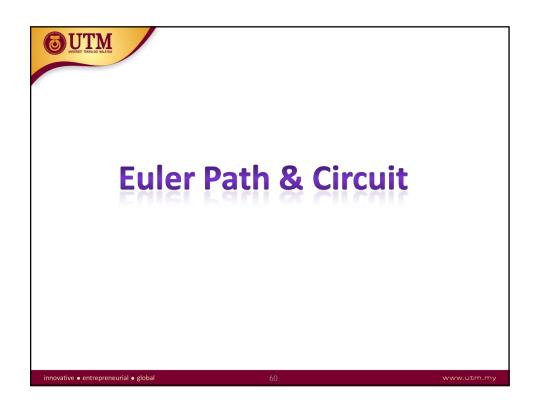


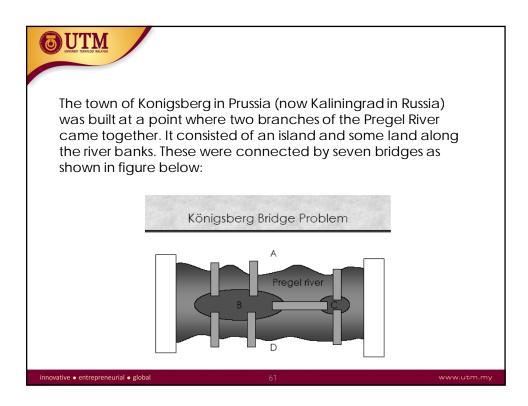


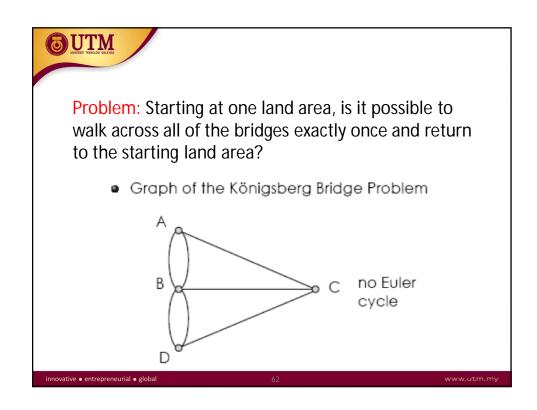


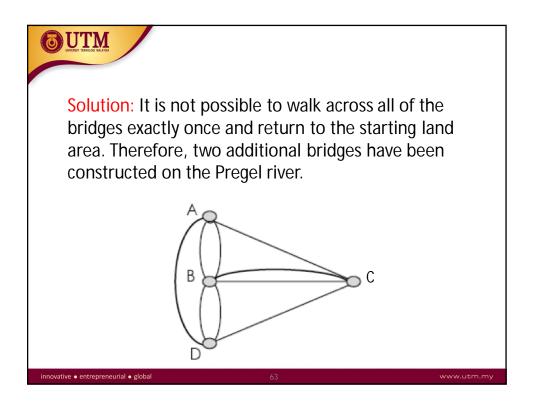


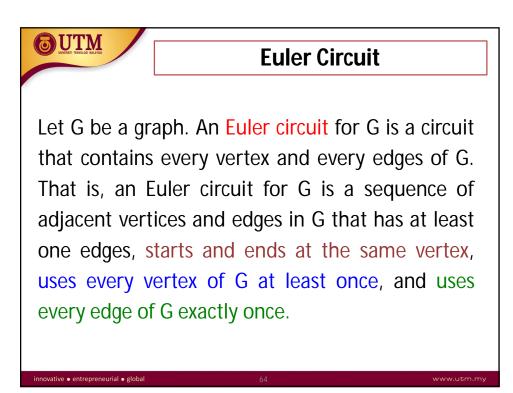


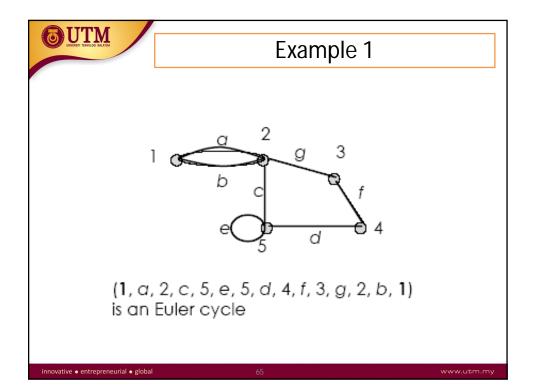


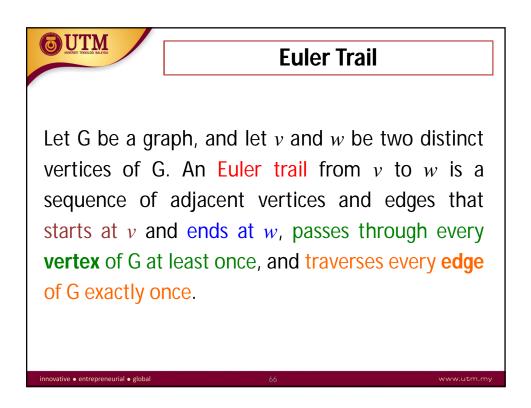


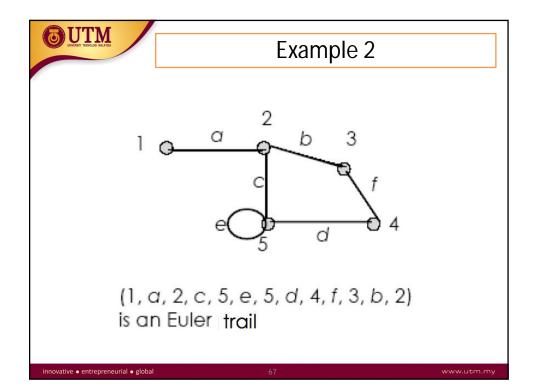


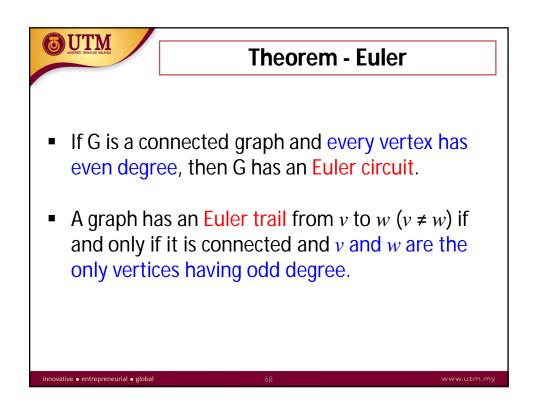


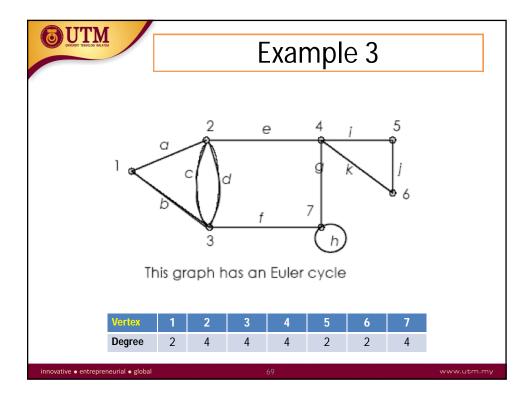


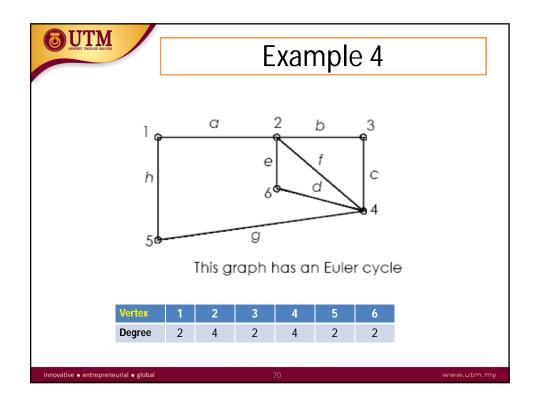


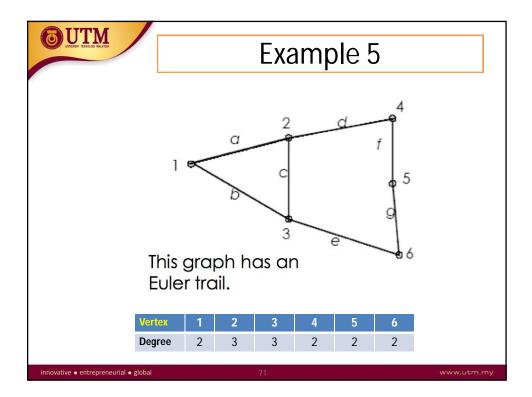


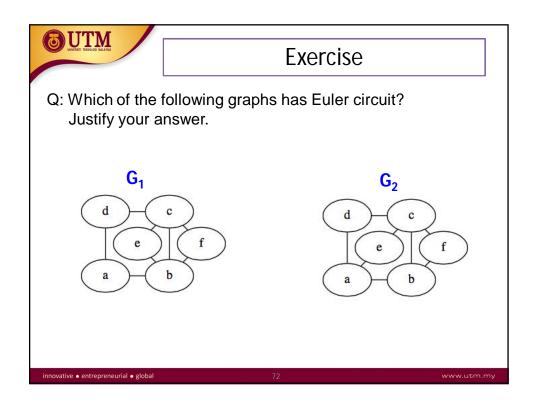


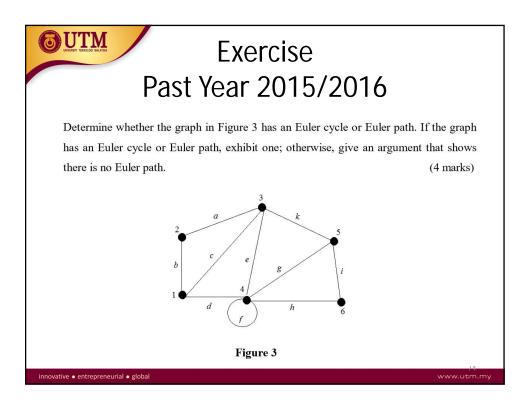


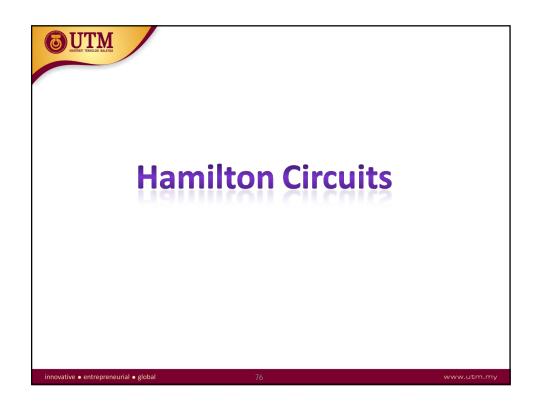


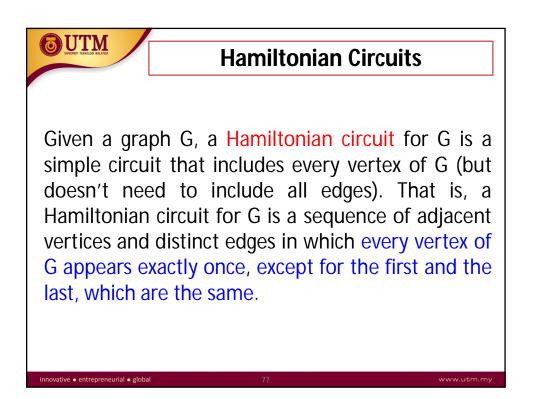


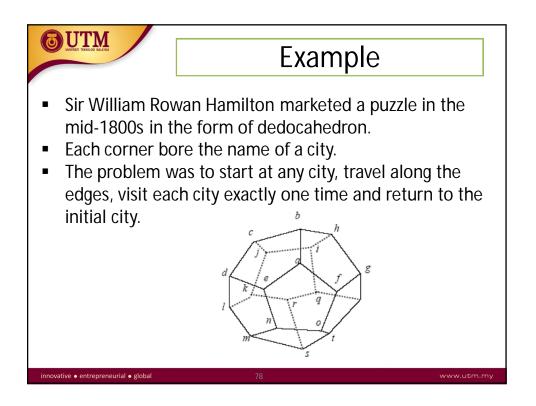


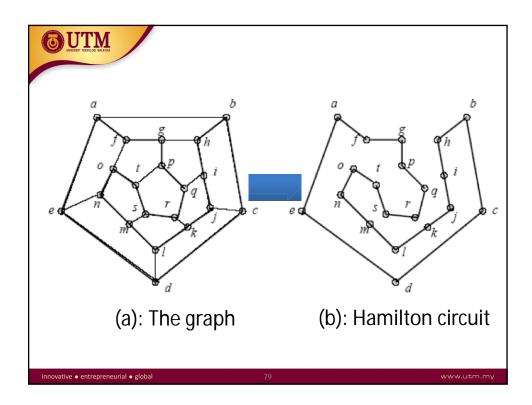


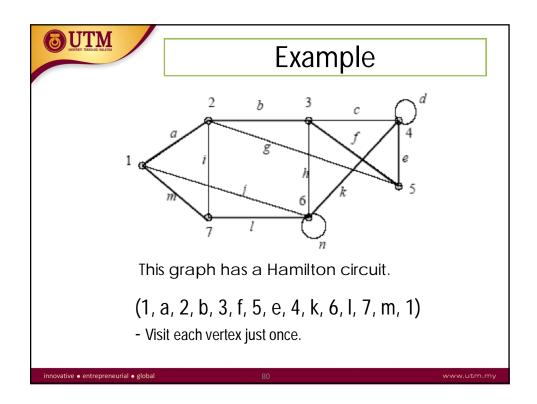


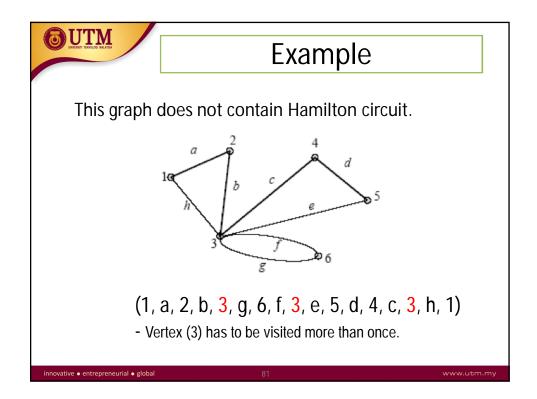


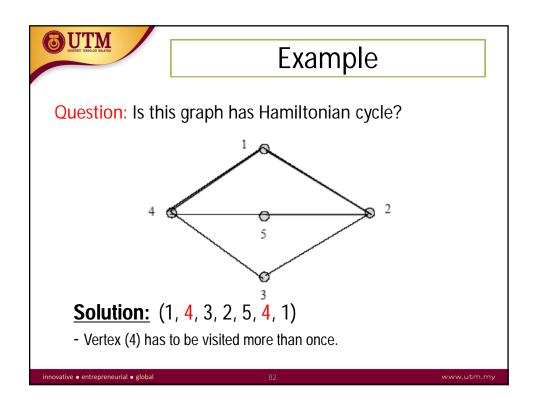


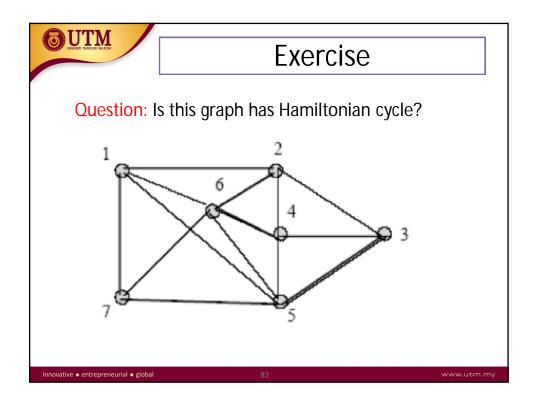


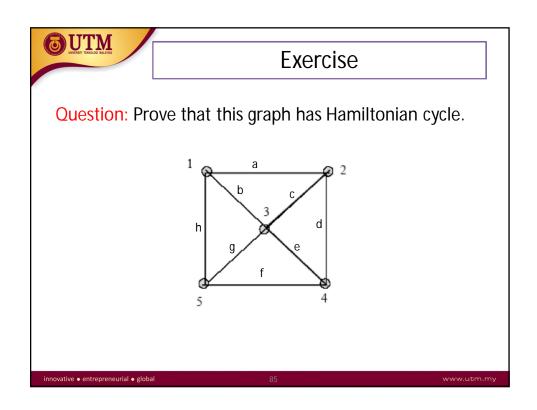


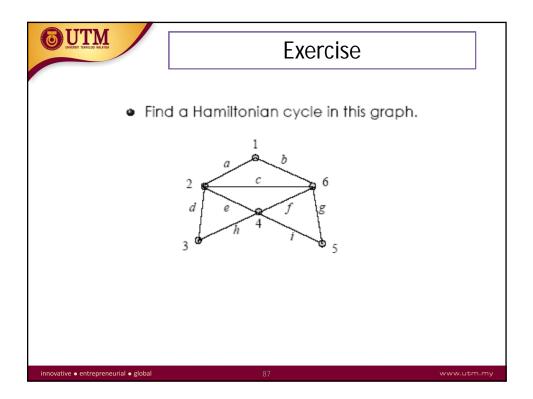


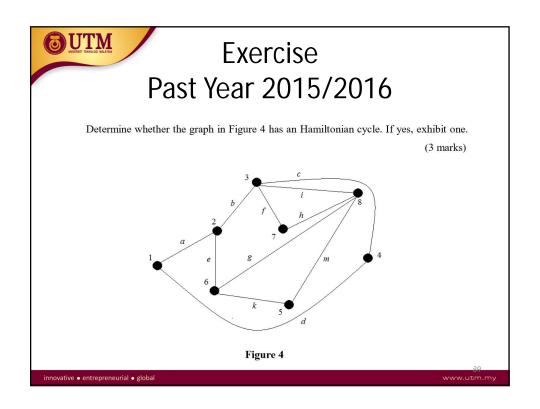


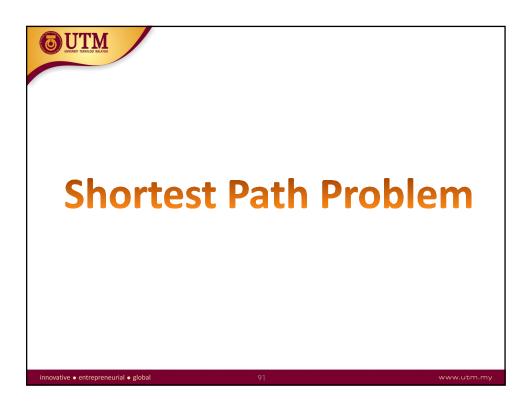


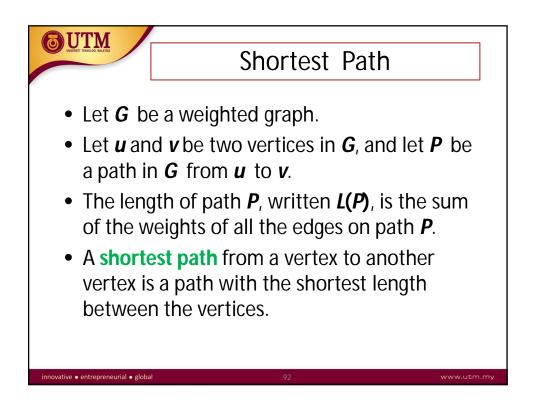


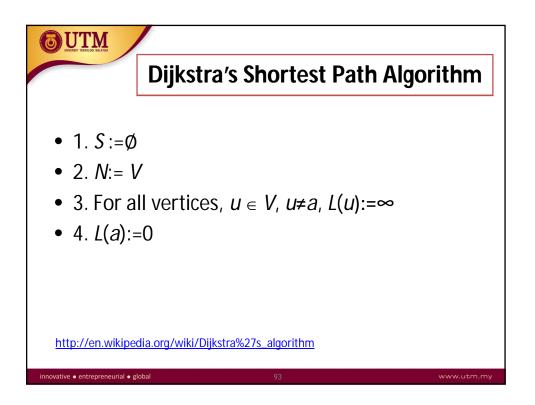


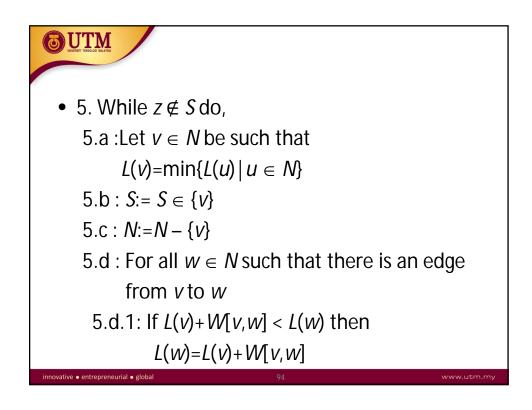


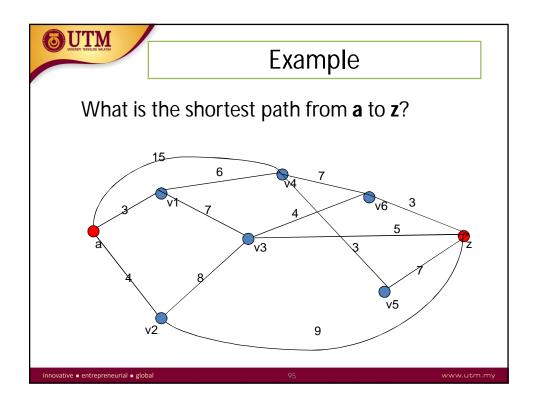


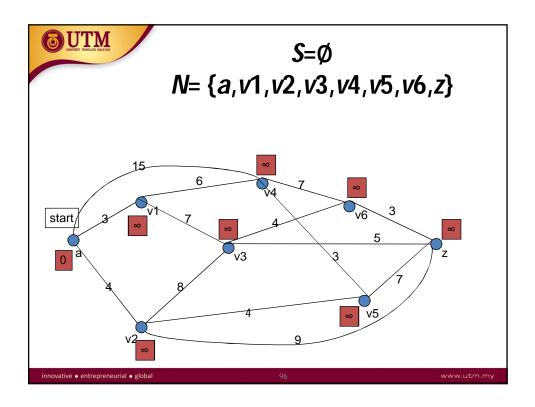


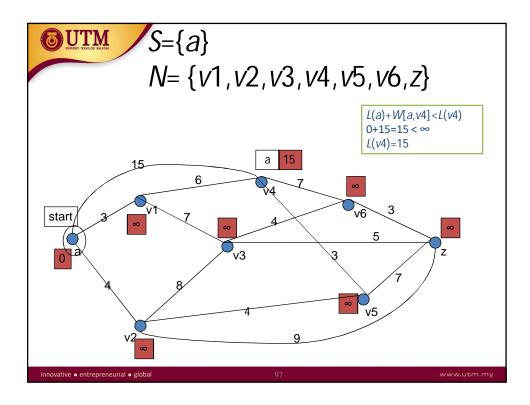


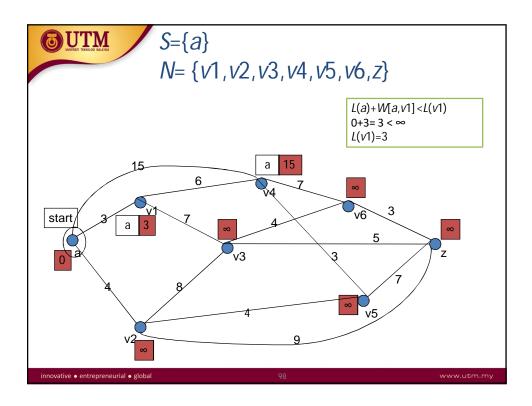


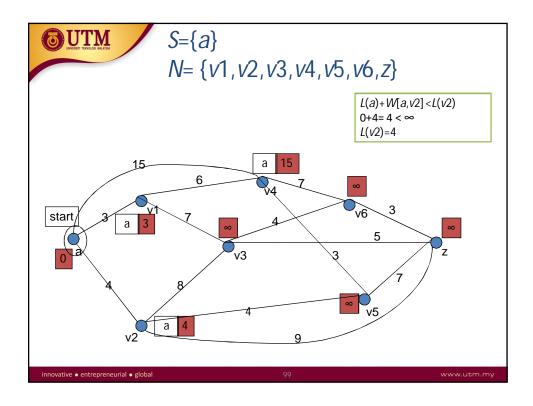


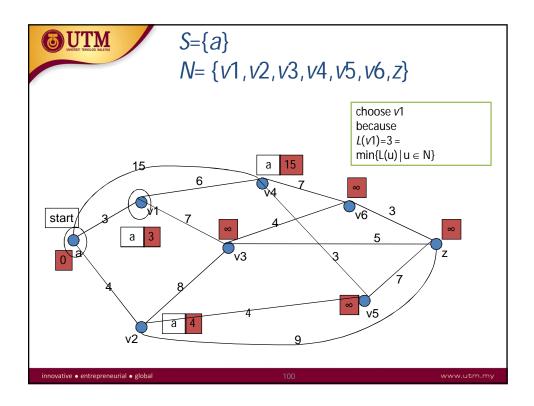


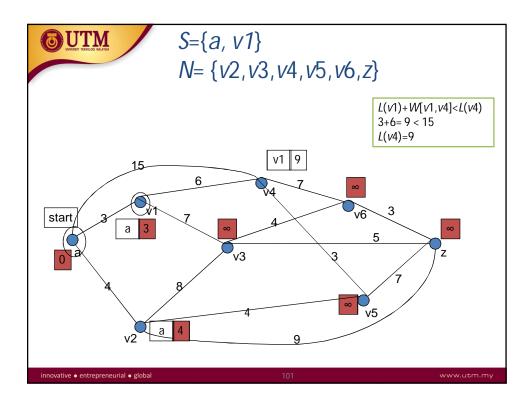


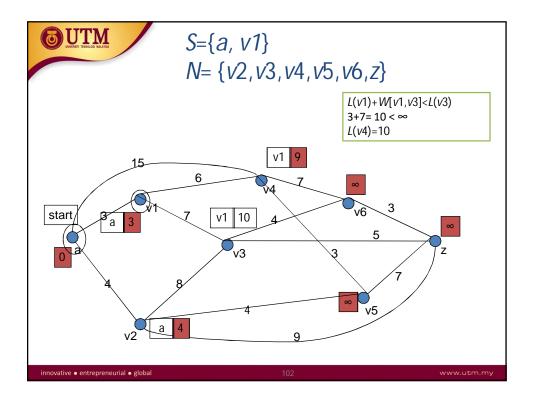


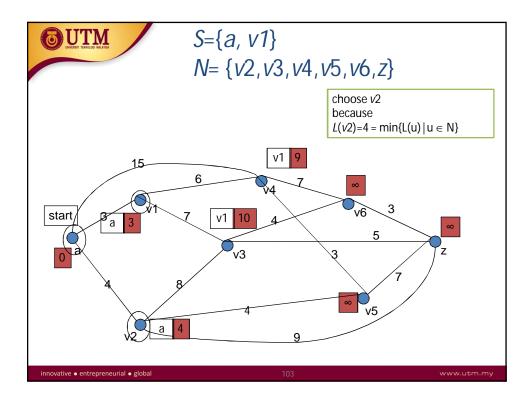


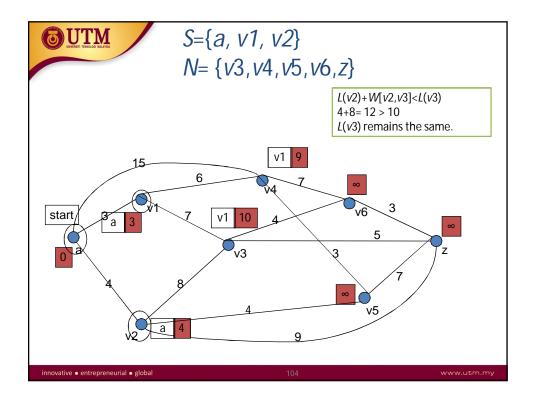


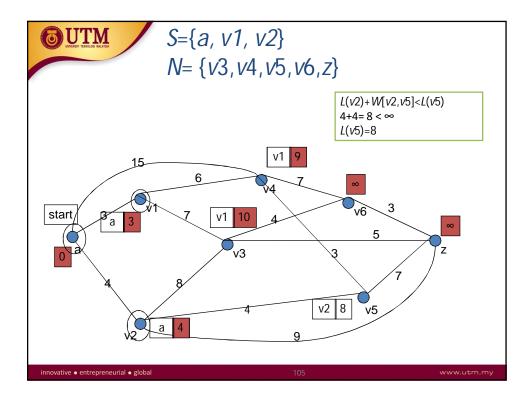


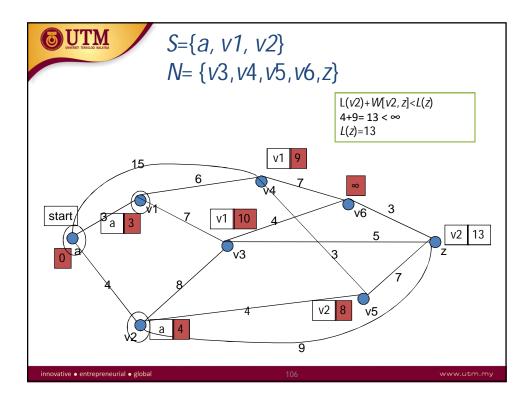


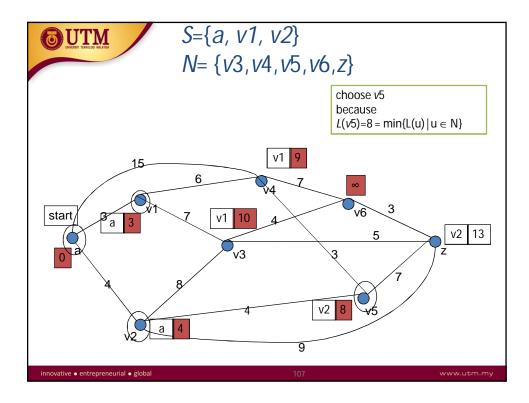


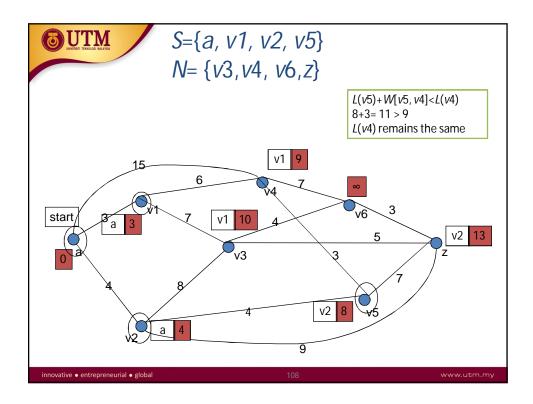


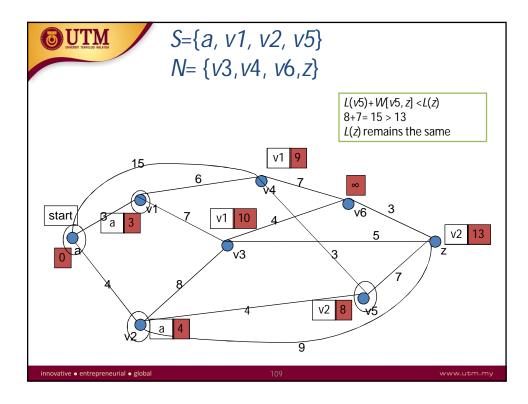


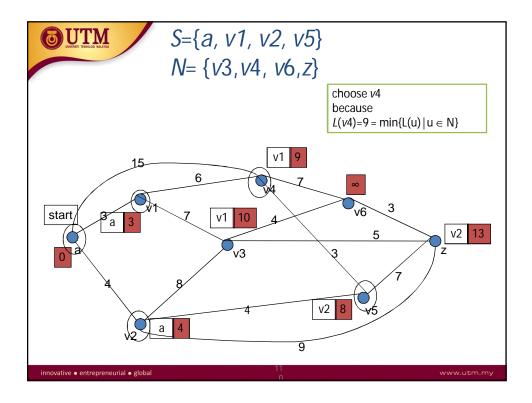


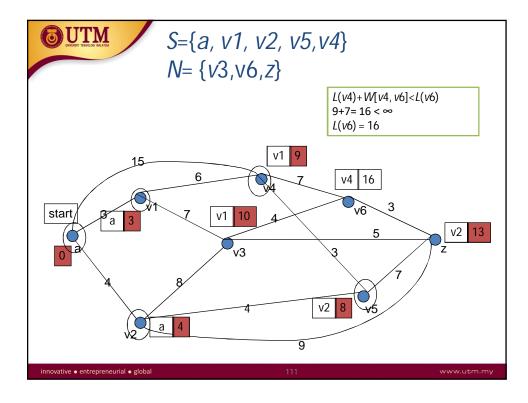


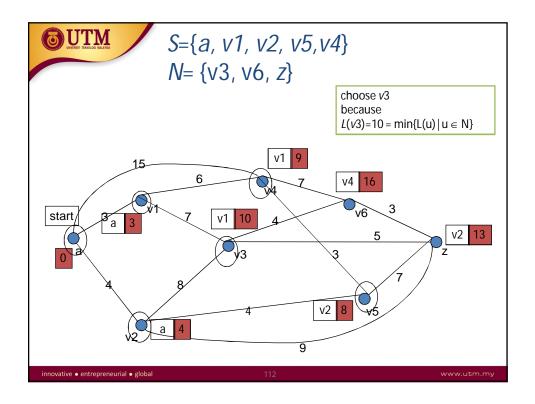


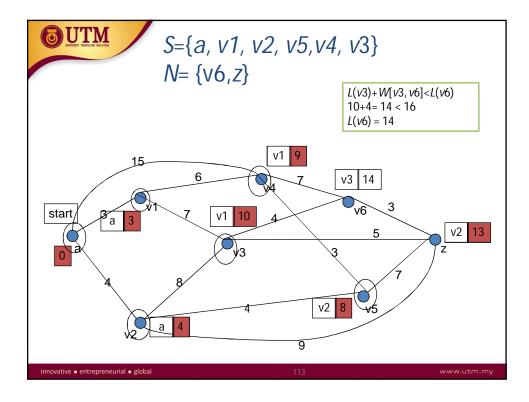


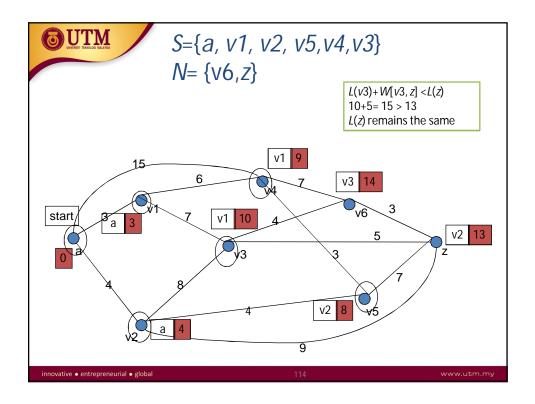


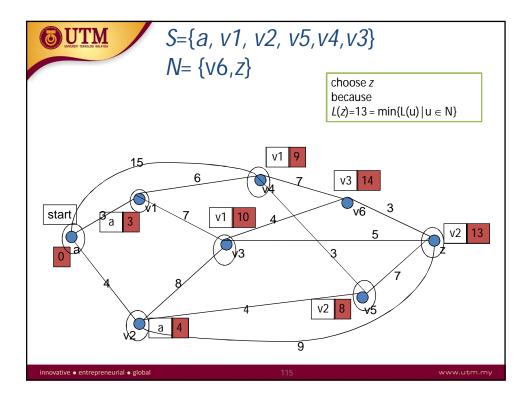


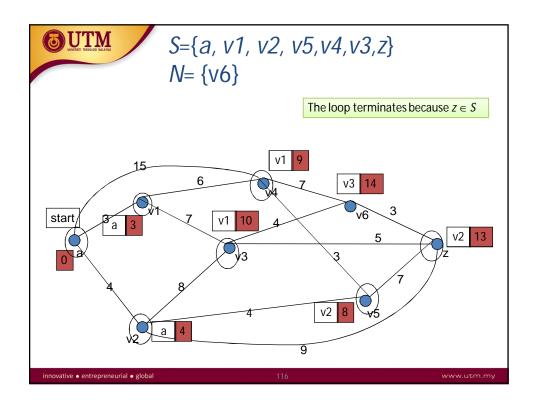


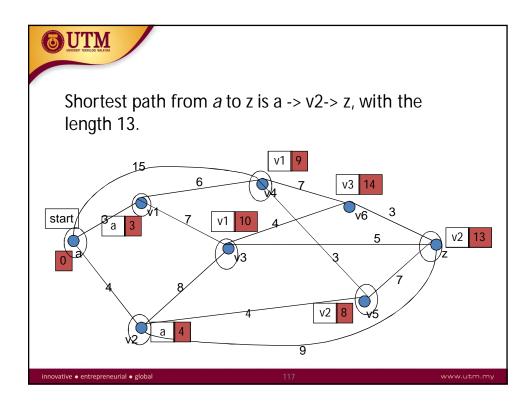




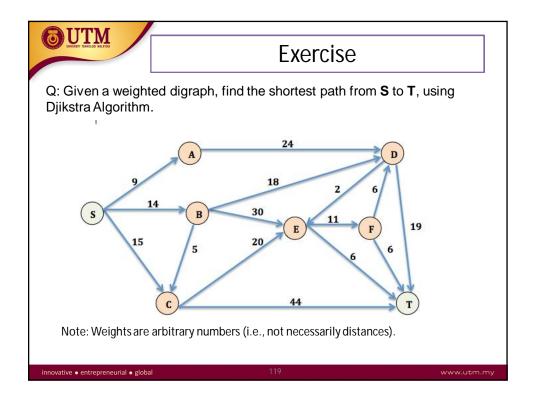








No.	S	N	L(a)	$L(V_l)$	$L(V_2)$	$L(V_3)$	$L(V_4)$	L(V5)	L(V6)	L(z)
0	{ }	$\{a, V_1, V_2, V_3, V_4, V_5, V_6, z\}$	0	8	80	8	80	∞	80	8
1	<i>{a}</i>	$\{V_1, V_2, V_3, V_4, V_5, V_6, z\}$	2	3	4	8	15	<mark>∞</mark>	8	8
2	$\{a, V_i\}$	$\{V_2, V_3, V_4, V_5, V_6, z\}$	-	3	4	10	9	8	8	8
3	$\{a, V_{I}, V_{2}\}$	$\{V_3, V_4, V_5, V_6, z\}$			4	10	9	8	8	13
4	$\{a, V_{l}, V_{2}, V_{5}\}$	$\{V_3, V_4, V_6, z\}$				10	9	8	8	13
5	$\{a, V_{l}, V_{2}, V_{5}, V_{4}\}$	{V <sub>6</sub> , <u>z.</u> }				10	9		16	13
6	$\{a, V_1, V_2, V_5, V_4, V_3, \}$	{V6, Z.}				10			14	13
7	$\{a, V_{I_i}\}$	{V6.}							14	13



EUTEN HARA	The network	in Figu	ure 5 giv	C C B	4 3 3	4 E B D	es betwe	F G	s of citi	es A, B,	, and H.
	a) Based or	Diilee	tra'e ale	torithm		Figure		and the	chorter	t nath fr	om city: A :
Exercise	a) Based of city H. (1	-		-	-				anortes	t path II	(8 marks)
					3	able 1					
Past Year	Iteration	S	N	L(A)	<i>L</i> ( <b>B</b> )	<i>L</i> (C)	<i>L</i> (D)	<i>L</i> (E)	L(F)	<i>L</i> (G)	L(H)
	0	S	N	L(A)	L(B)	L(C)	<i>L</i> ( <b>D</b> )	L(E)	L(F)	L(G)	L(H)
Past Year 2015/2016	0	S	N	L(A)	L(B)	L(C)	<i>L</i> (D)	L(E)	L(F)	L(G)	L(H)
	0	S	N		L(B)	L(C)	<i>L</i> (D)			L(G)	
	0 1 2	S	N		L(B)						<i>L</i> (H)
	0 1 2 3	S	N								<i>L</i> (H)
	0 1 2 3 4	S	N								