13	1 8 4 2 m
	TUT DMA - BOS.
1-	
	Problem Set 9.
h 10	
Problem 1.	* Graph G:
	+, 6 vertices +, deg (d) = 0 +, 6 edges +, deg (e) = 2
+.	+, 6 edges +, deg (e) = $2$ +, deg (a) = $2$ +, deg (j) = $3$ .
	+, deg (b) = 4
	+, deg (c) = 1
4.	
	=) deg (G) = 12 = 2e
Emplored 6	* Graph H: square of side of standard of side
6	+) 8 vertices +, deg (d) = 0 +, deg (i) = 3.
	+, 12 edges +, deg (e) = 6
	+, deg (a) = 3 +, deg (z) =0
	+, deg (b) = 2 +, deg (g) = 4
corp. sy	+, deg (c) = 4 +, deg (h) = 2
	=> deg (H) = 24 = 2e.
	Aho LA
	Auto

	Problem 2:  In Hanshaling Phece degree of all the vert confinue in it. The sur Therefore, a simple give cannot exist.	rem state ices is the n of the c graph wit	in any given ice, the number legrees g the un h 15 vertices e	graph, sum g er of edges ortices 5.15=15 odd. ach of degrae			
	+, di +, di +, di	eg + (b) = 2	, deg (a) = 3 , deg (b) = 1 , deg (c) = 2 3 , deg (d) = 1				
	* Graph H: +, 5 vertices. +, 13 edges. +, deg <sup>-</sup> (a) = 6, deg <sup>+</sup> (a) = 1. +, deg <sup>-</sup> (b) = 1, deg <sup>+</sup> (b) = 5. +, deg <sup>-</sup> (c) = 2, deg <sup>+</sup> (c) = 5. +, deg <sup>-</sup> (d) = 4, deg <sup>+</sup> (d) = 2. +, deg <sup>-</sup> (e) = 0, deg <sup>+</sup> (e) = 0.						
	* graph a.	rfex a b c d	Adjacent Verhice  6, d, c  a, d  a, d  a, b, c	25			
0	of Oragin FC	rfex a b C d	Adjacent Vertice b, c, d a, c, d a, b, d a, b, c	\$			