

5. Kn has N verticles	11. 1) (a,d,c,d,e)
Each vertex has (n-1) inclosed edges	None
Fact edge is country 2x	ii) (e,d,c,b)
N(N·1)	[simple path]
	(ii) (L,c,d,e,b,b)
6. 1) Mut bipartite-1-0p	Toycle
;,) Not bipartite - Eurogle)	iv) (b,c,d, a,b,e,d,c,b)
111) Departite - Eve, 42, 453 and Eve, 443)	none
iv) Opportite: {4, 16, 473 proffy, 15, 14, 45, 14, 14, 14, 15}	(6,2,6) (v
	Trone
7. M verticus UHA Nedges	
MVN	12. 1).
A 6-5 7 18	
€, i) v=b, u=e	V
6,C,a,d,e-> 16	ii) —
ii) v=4,u=6	
a,e,d,c,6->17	iii) Totaldegree is odd -not
111) 450,450	posible
1c,b,ae,d >> 24)	(v)
1. (a,b), (b,f), (b, D, (d, c), (c,o), (g,c)	U) Hardshalling Therren
L) 55	regulars atleast Sciens
	not possible
10. f(a)= E  is last 1-6-1 and onto, as	vi) Imposible, requirement of
a simple graph has no loops or parallel	2 verticles u/ degree 5
edges, so a simple graph with a vertices	violation the lucrecky
has exactly 1-1 edges. Therefore no	desrec (
2 single graphs in 9 have the same H	
of edges (1-1-1) , and there exist.	13. Cycles: {(a,a),(b,c,g),(c,b,g),(g,b,d)
some simple graph in G with in EN	Lathis is worthless
edges.	Puths: {(a,b,c,d,e), (a,b,o,f,e),
	(a,b,c,o,f,d,e), (a,b,c,d,f,c),
	(a, 5, c, d, f, e) (a, 5, g, f, d, e)}

