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	DATE	TITLE	SIGN
1		**Write a program to compute the following for a given a network: (i) number of edges, (ii) number of nodes; (iii) degree of node; (iv) node with lowest degree; (v) the adjacency list; (vi) matrix of the graph.**	
2		**Perform following tasks: (i) View data collection forms and/or import onemode/two-mode datasets; (ii) Basic Networks matrices transformations**	
3		**Compute the following node level measures: (i) Density; (ii) Degree; (iii) Reciprocity; (iv) Transitivity; (v) Centralization; (vi) Clustering.**	
4		**For a given network find the following: (i) Length of the shortest path from a given node to another node; (ii) the density of the graph**	
5		**Write a program to distinguish between a network as a matrix, a network as an edge list, and a network as a sociogram (or "network graph") using 3 distinct networks representatives of each.**	
6		**Write a program to exhibit structural equivalence, automorphic equivalence, and regular equivalence from a network.**	
7		**Create sociograms for the persons-by-persons network and the committee-bycommittee network for a given relevant problem. Create one-mode network and two-node network for the same**	
8		**Perform SVD analysis of a network.**	