











































Running Tim	ne of	Graph Metho	ods
 <i>n</i> vertices, <i>m</i> edges no parallel edges no self-loops bounds are "big-Oh" 	Edge List	Adjacency List	Adjacenc Matrix
Space	n + m	n + m	n ²
incidentEdges(v)	т	deg(v)	n
areAdjacent (v, w)	т	$\min(\deg(v), \deg(w))$	1
insertVertex(o)	1	1	n ²
insertEdge(v, w, o)	1	1	1
removeVertex(v)	т	deg(v)	n ²
removeEdge(e)	1	1	1

