

Expressed as $O(f)$	Edge List	Adjacency Matrix	Adjacency List
Space	$n+m$	$n^2$	$n+m$
insertVertex(v)	1	n	1
removeVertex(v)	m	n	deg(v)
insertEdge(v, w, k)	1	1	1
removeEdge(v, w)	1*	1	1*
incidentEdges(v)	m	n	deg(v)
areAdjacent(v, w)	m	1	min( deg(v), deg(w) )