

✓ = best

✗ = worst

Expressed as O(f)	Edge List	Adjacency Matrix	Adjacency List
Space	$n+m$	$n+m$	$n^2$ ✗
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) )