

























	Path and S	Simpl	e Path	1	
L	 Path: A path from u vertices u, i, i, i, (u, i_1), (i_1, i_2). Simple path: A simple path i except possible 	to \boldsymbol{v} repre $\boldsymbol{v}_{2}, \dots, \boldsymbol{i}_{k}, \boldsymbol{v}$ s, $(\boldsymbol{i}_{k}, \boldsymbol{v})$ a, $(\boldsymbol{i}_{k}, \boldsymbol{v})$ a s a path in y the first	sents a seq such that are edges in n which all v and the last	uence of graph. vertices t are distinct	
	0	Sequence	Path?	Simple path?	
		0,1,3,2	Yes	Yes	
		0,2,0,1	Yes	No	
	3	0,3,2,1	No	No	
					10

















































Example: LinkedGraph		
	// use iterator to visit adjacent vertices or v	
	for (each vertex w adjacent to v)	
	}	
	class LinkedGraph: public Graph	
	1	
	public:	
	// constructor	
	LinkedGraph(const int vertices = 0) : n(vertices), e(0) {	
	adjLists = new Chain <int>[n];</int>	
	}	
	// more customized operations	
	private:	
	Chain <int> *adjLists // adjacency lists</int>	
	1	