Introduction to Graphs

	List	Mabix
Memosy	9(U+ E)	Ó (V*V)
Check if there is an edge from u to v	O (v)	0(1)
Find all adjacent of	O (degree (V)) O (outdegree (V))	Ó(v)
Add an Edge	QC1)	0(1)
Remove an Edge	$\frac{1}{2}$	0 (1)

Problem: 1 BFS in Graph

Problem : 2 AFS in Graph

Pooblem: 3 Netect Cycle in an Undirected Goaph

23 BFS

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Problem: 4 Netect Cycle in an Directed Goods

Sps

BFS