Shortest Path Algorithm Decision Table

Graph	BFS	Dijkstra's	Bellman-Ford	Flord Wood 11
Criteria	O(V+E)	$O((V+E)\log V)$	O(VE)	Floyd-Warshall $O(V^3)$
Max Size	$V + E \le 100M$	$V+E \le 1M$	$VE \le 100M$	$V \le 450$
Unweighted	Best	Ok	Bad	Bad in general
Weighted	WA	Best	Ok	Bad in general
Negative weight	WA	Modified Ok	Ok	Bad in general
Negative cycle Small graph	Cannot detect	Cannot detect	Can detect	Can detect
Sman graph	WA if weighted	Overkill	Overkill	Best
Table 4.4: Shortest Paths Algorithm Decision Table				
		-11001111	Decision Table	