Dijkstra's Algorithm for the shortest path for a positive-weighted, directed graph.

Node	Known	Distance	Previous	Adjacency List
v0	F	∞	-	(v1, 2), (v3, 1)
v1	F	∞	-	(v3, 3), (v4, 10)
v2	F	∞	-	(v0, 4), (v5, 5)
v3	F	∞	-	(v2, 2), (v5, 8), (v4, 2), (v6, 4)
v4	F	∞	-	(v6, 6)
v5	F	∞	-	-
v6	F	∞	-	(v5, 1)