Order	Previous Node	Mins 1	Node	Mins 2	Total
			Killarney		
			Kanturk		
			Macroom		
			Bandon		
			Mallow		
			Cork		
			Mitchelstown		
			Fermoy		
			Midleton		
			Villierstown		

Applied Maths

Dijkstra's Algorithm

Shortest Journey - Worksheet 2

Q. The graph on Worksheet 2 indicates potential routes from Killarney in County Kerry to the village of Villierstown in County Waterford. At the moment major roadworks between Cork & Mallow means the road is open to southern traffic only, with lengthy diversions and delays in place for traffic heading north. Using Dijkstra's Algorithm find the shortest route from Killarney to Villierstown and determine the distance involved. Distances are in Km's. Did the roadworks between Cork & Mallow affect your answer (explain why)?

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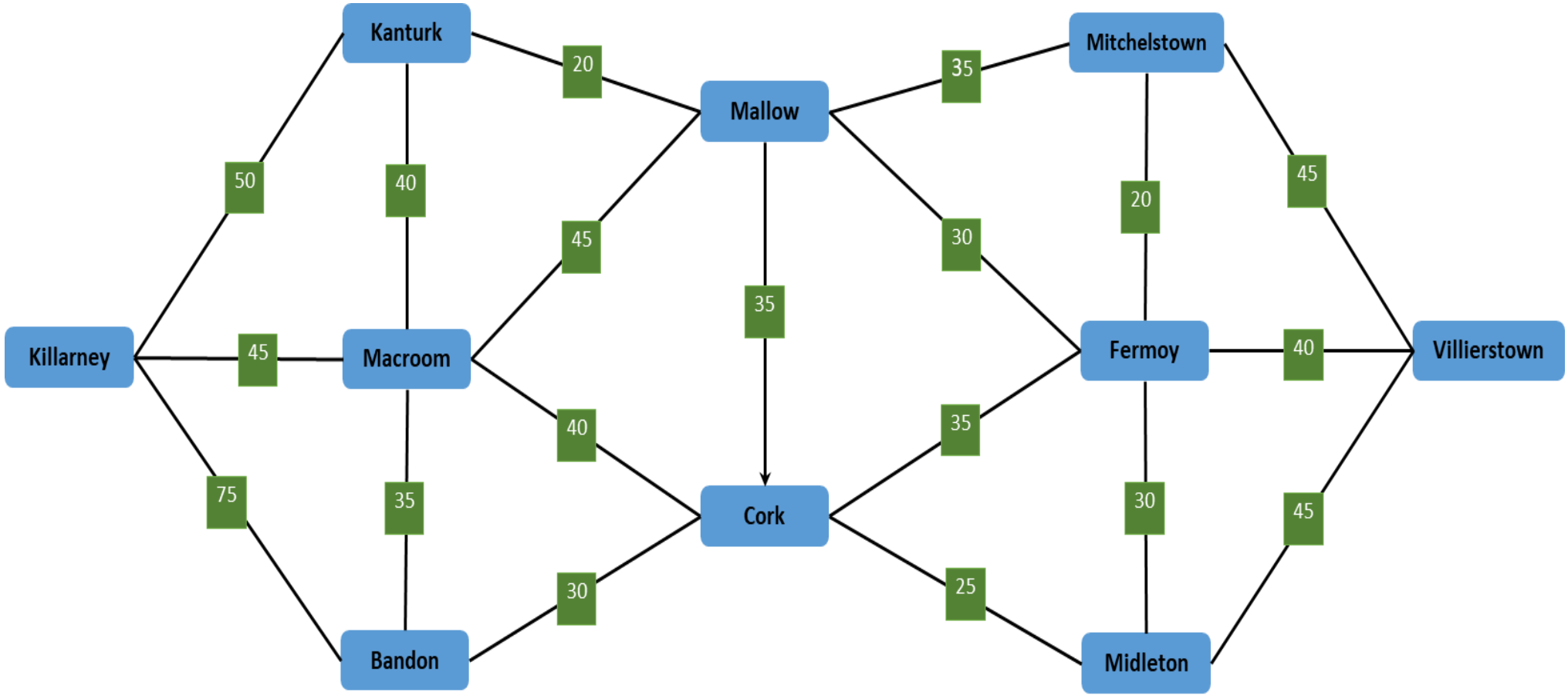

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