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For each of the statements in **Table 2**, complete each row to indicate if the statement is true or false for Dijkstra’s algorithm.

Table 2

	True or False?
Calculates the shortest path between a node and other nodes in a graph.	
Can be used to prove that the Halting Problem cannot be solved.	
Can be used with both directed and undirected graphs.	
Can be used with both weighted and unweighted graphs.	

Copy the contents of the unshaded cells in **Table 2** into the table in your Electronic Answer Document.

[2 marks]