UCL Department of Computer Science
CS M038/GZ06: Mobile and Cloud Computing
Spring 2016
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One-pager: GPSR (Karp and Kung, 2000) **Due: Start of lecture, 20th January 2016**

Instructions: ***in your own words,*** *answer the following question as* ***succinctly*** *as possible (in 200–500 words, but shorter answers within this range are encouraged). Quoting figures or text from the assigned reading or from any other source is specifically prohibited.*

Suppose a wireless network includes one or more *unidirectional* links: links where connectivity exists in one direction, but not in the other direction. Suppose that in such a network, one or more paths exist between a source node S and a destination node D. Will GPSR always find one of these paths (*i.e.*, and route successfully from S to D)? If you answer affirmatively, explain why the GPSR algorithm will always succeed on such topologies. If your answer is no, give a counterexample topology.