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**Stephen J Bacinski, Mark J Panaggio and Timothy J Pennings\***

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Elvis, the Welsh corgi, ostensibly showed that he could do optimization problems because, when retrieving balls thrown into Lake Michigan, he ran down the beach and then entered the water at the optimal point to get to the ball in minimum time. However, it was shown that if Elvis intended instead just to move towards the ball as quickly as possible at each point along the route (greedy algorithm), then he would still have followed the same path. In this paper we explore why these two distinct strategies would give identical paths. In particular, we determine i) when the greedy path is also the optimal path and when the optimal path is not the greedy path, ii) the effects of the starting point on the path taken - in particular, why the paths coincide when starting on the shoreline, but otherwise are different, and iii) velocity functions for which the paths coincide for all starting points. (Received September 05, 2014)