



The image shows a 10x10 grid with a black path and a red path. The black path starts at (1,1), goes right to (1,4), then down to (4,4), then right to (4,7), then down to (7,7), then right to (7,10), then down to (10,10), then left to (10,7), then up to (10,4), then left to (10,1), then up to (7,1), then right to (7,4), then down to (4,4), then left to (4,1), then up to (1,1). The red path starts at (1,1), goes right to (1,4), then down to (4,4), then right to (4,7), then down to (7,7), then right to (7,10), then down to (10,10), then left to (10,7), then up to (10,4), then left to (10,1), then up to (7,1), then right to (7,4), then down to (4,4), then left to (4,1), then up to (1,1). The red path is a subset of the black path, specifically the segment from (1,1) to (10,10) via (10,7) and (10,4).