



A 10x10 grid with a black path and a grey shaded area. The path starts at (0,0), goes right to (1,0), then up to (1,1), then right to (2,1), then up to (2,2), then right to (3,2), then up to (3,3), then right to (4,3), then up to (4,4), then right to (5,4), then up to (5,5), then right to (6,5), then up to (6,6), then right to (7,6), then up to (7,7), then right to (8,7), then up to (8,8), then right to (9,8), then up to (9,9), then right to (10,9), then down to (10,8), then left to (9,8), then down to (9,7), then left to (8,7), then down to (8,6), then left to (7,6), then down to (7,5), then left to (6,5), then down to (6,4), then left to (5,4), then down to (5,3), then left to (4,3), then down to (4,2), then left to (3,2), then down to (3,1), then left to (2,1), then down to (2,0), then left to (1,0), then down to (1,-1), then left to (0,-1), then up to (0,0). The grey shaded area is the region where $x \geq 10$ or $y \geq 10$.