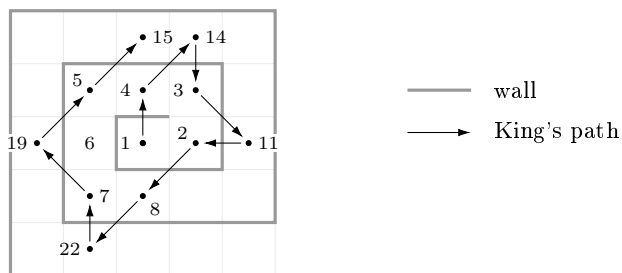


A375925 King Jumping Over Spiral Walls

Kevin Ryde, October 2024

A375925 is location numbers in a square spiral for the path of a chess king who at each step goes across a wall defining the spiral and to the smallest numbered square not yet visited. The king's path begins as follows.



Going over a corner of the wall or the start of the wall doesn't count as going over. For example the first step cannot be 1 to 3 as that's only the start of the wall. And the step at 4 cannot go South-West to 6 since that's only over a corner. The effect is that the king's move is to the smallest unvisited square number but not ± 1 or ± 2 from current square number.

The following is a large scale plot of the king's path. There seems to be a repeating pattern in 8 wedges around the origin.

