

26 April 2024

Random Walk Questions

- How often does the random walk go k moves in the same direction?
- Will the random walk eventually fill up the grid?
- How often will it return to the starting point?
- How many moves until it goes off the square?
- How often does it hit all 4 quadrants?
- Does it come back to each point the same number of times?
- What proportion of steps are repeats?
- How many steps until it gets a certain distance from the origin?

1-Dimensional Random Walk



