

Addendum to Problem – 1 (Spring 2024)

Due date: **20** February, 2024

1. For a given L , say $L = 10$, in two dimensions, vary the value of r_c from 0.2 to 1.0 and plot a graph showing the number of points generated, N , versus r_c . Explain the behavior of the graph analytically.

Note: You may use an external random number generator for generating uniform random variates.