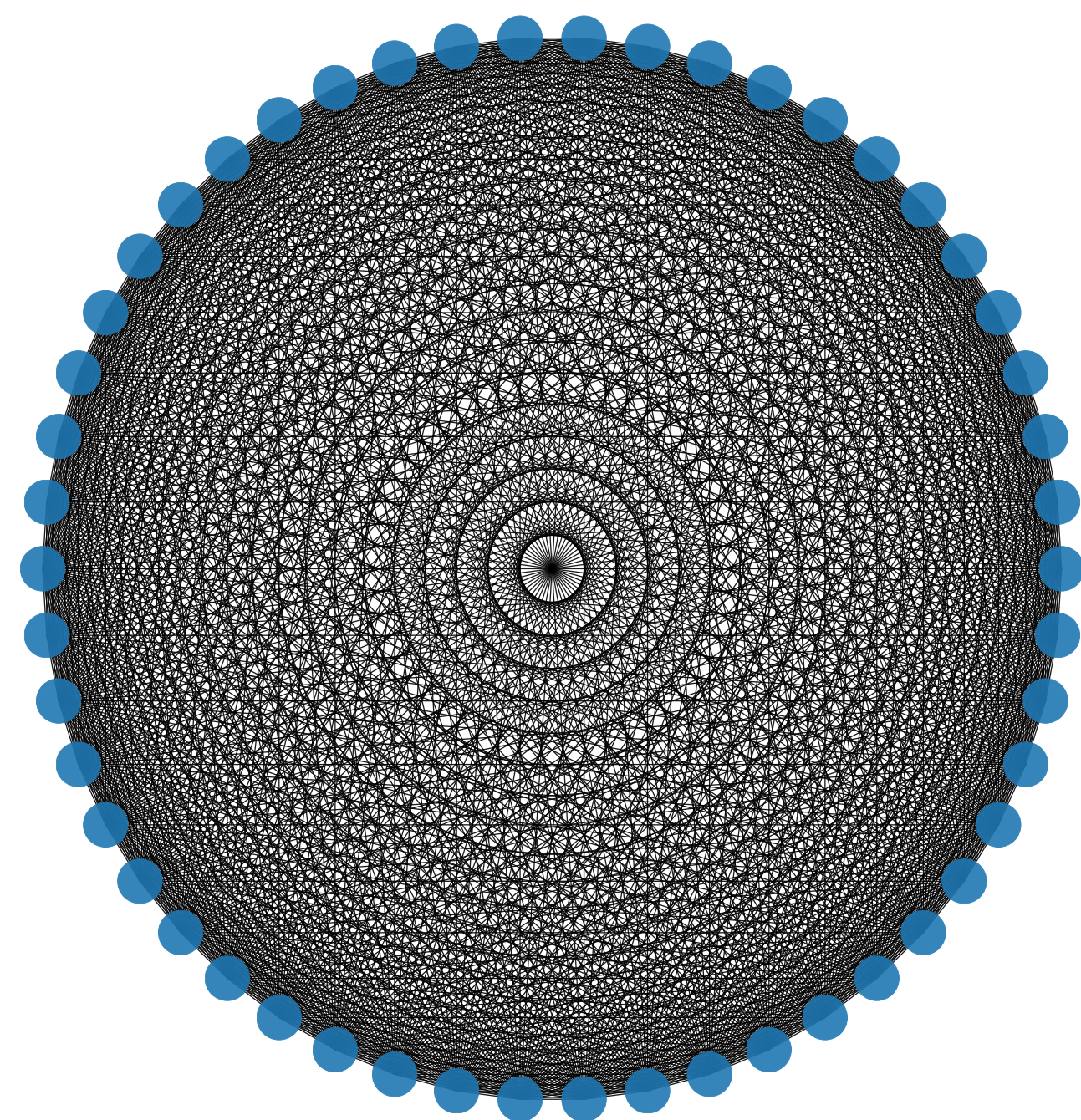


Complete Graph  
1225 edges,  $\lambda_2(\mathcal{L}) = 50.00$



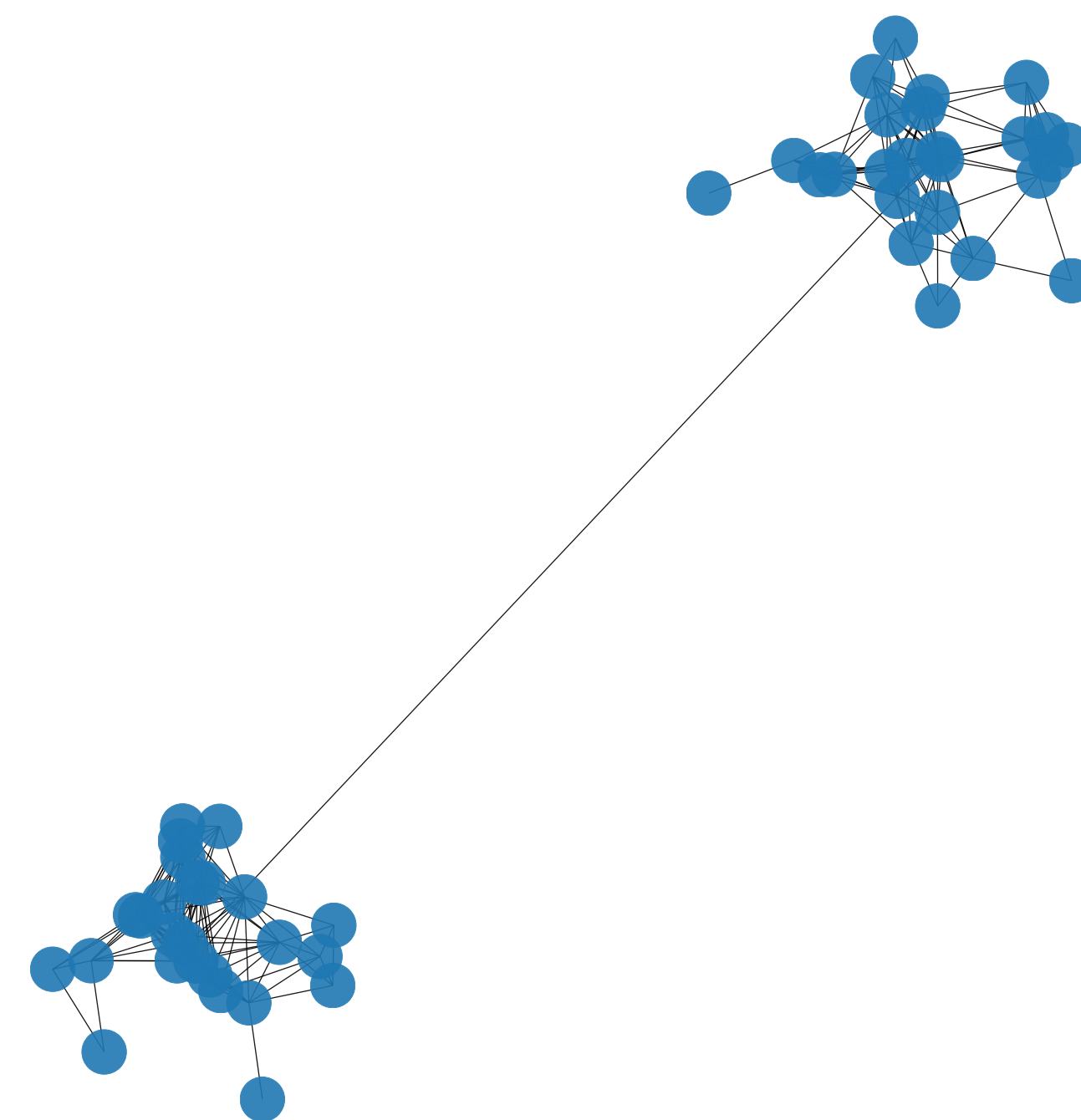
(a)

Geometric Random Graph  
293 edges,  $\lambda_2(\mathcal{L}) = 0.20$



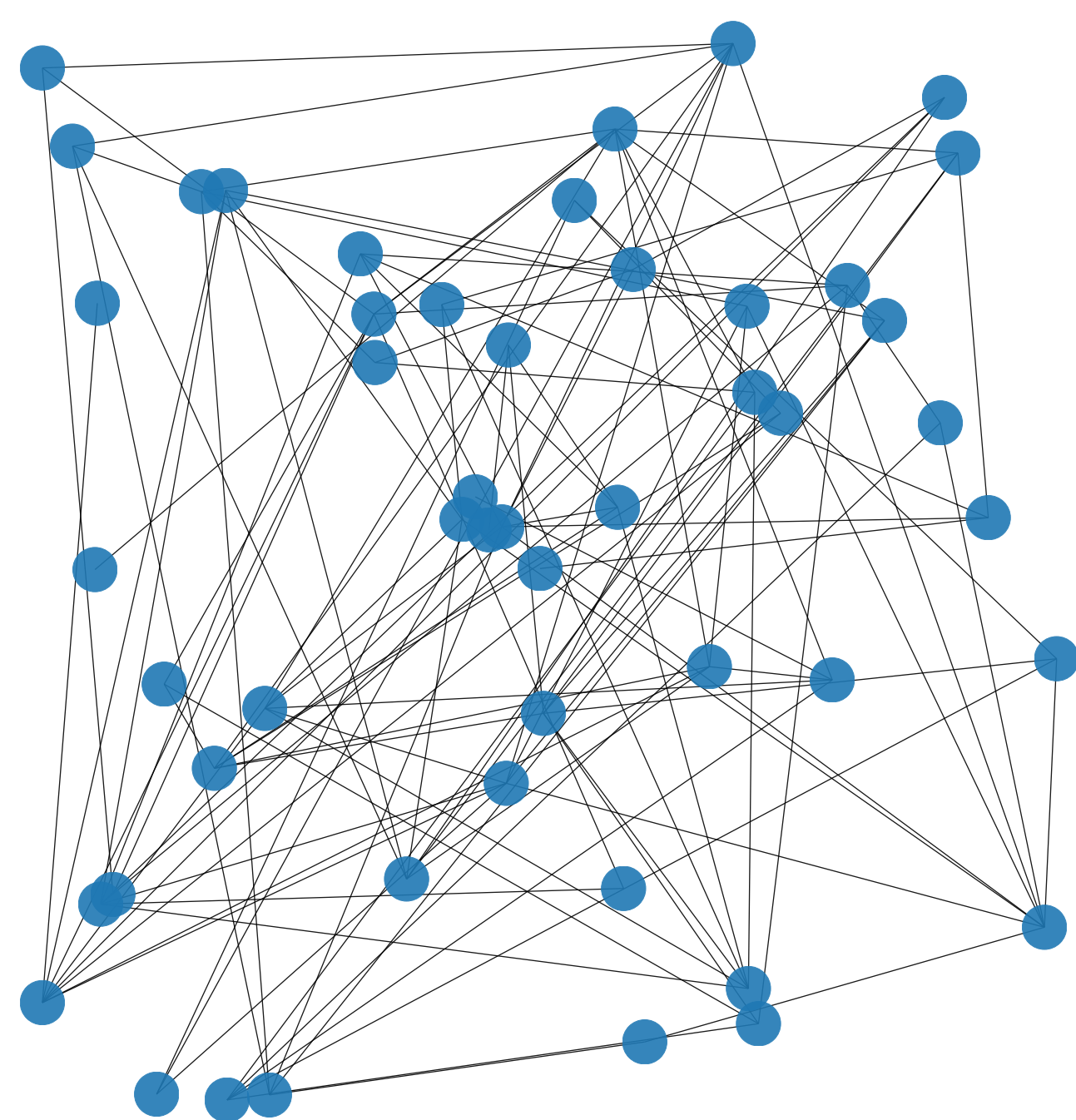
(b)

Two Clusters  
248 edges,  $\lambda_2(\mathcal{L}) = 0.07$



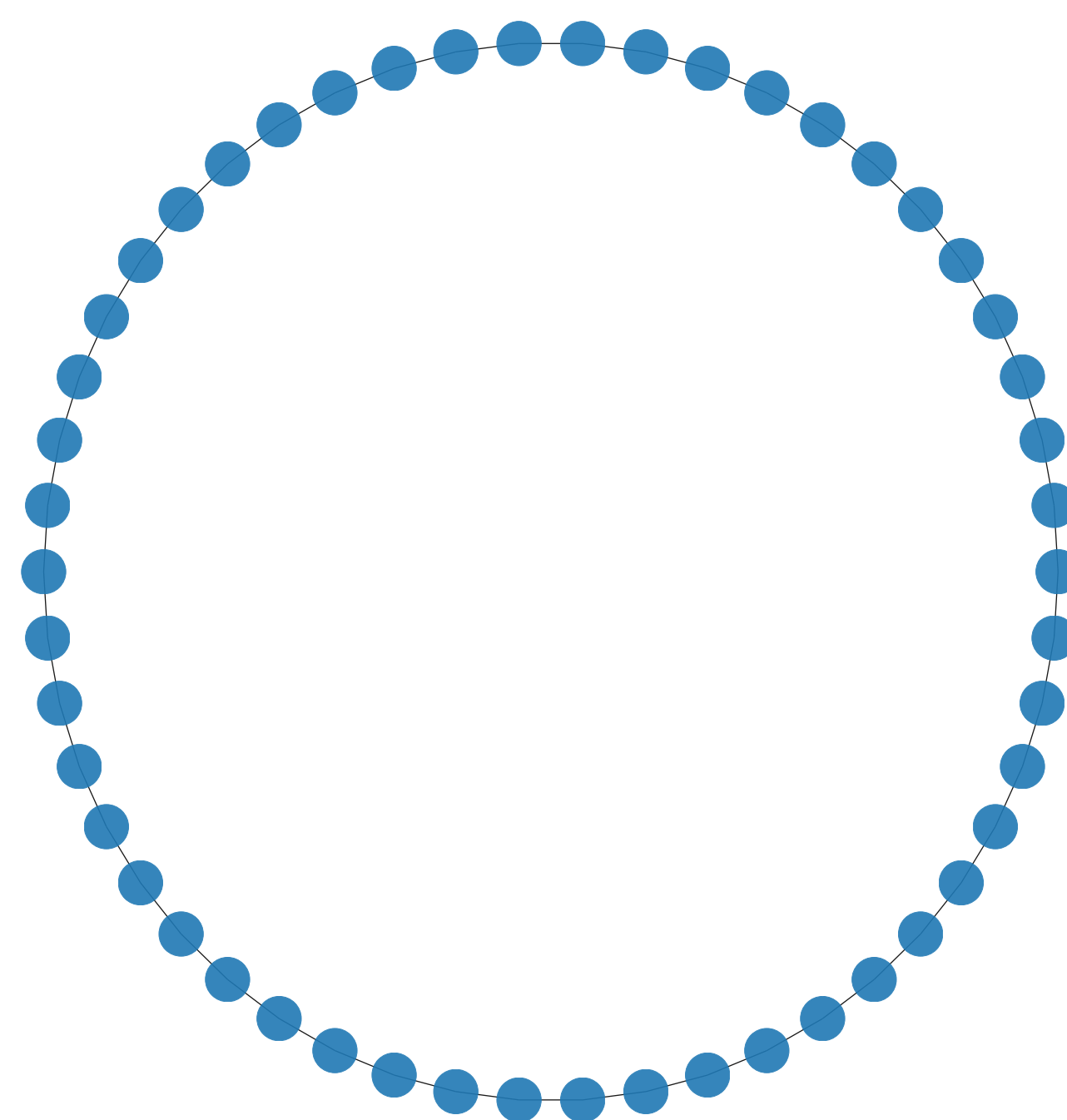
(c)

Erdős-Rényi Random Graph  
113 edges,  $\lambda_2(\mathcal{L}) = 0.52$



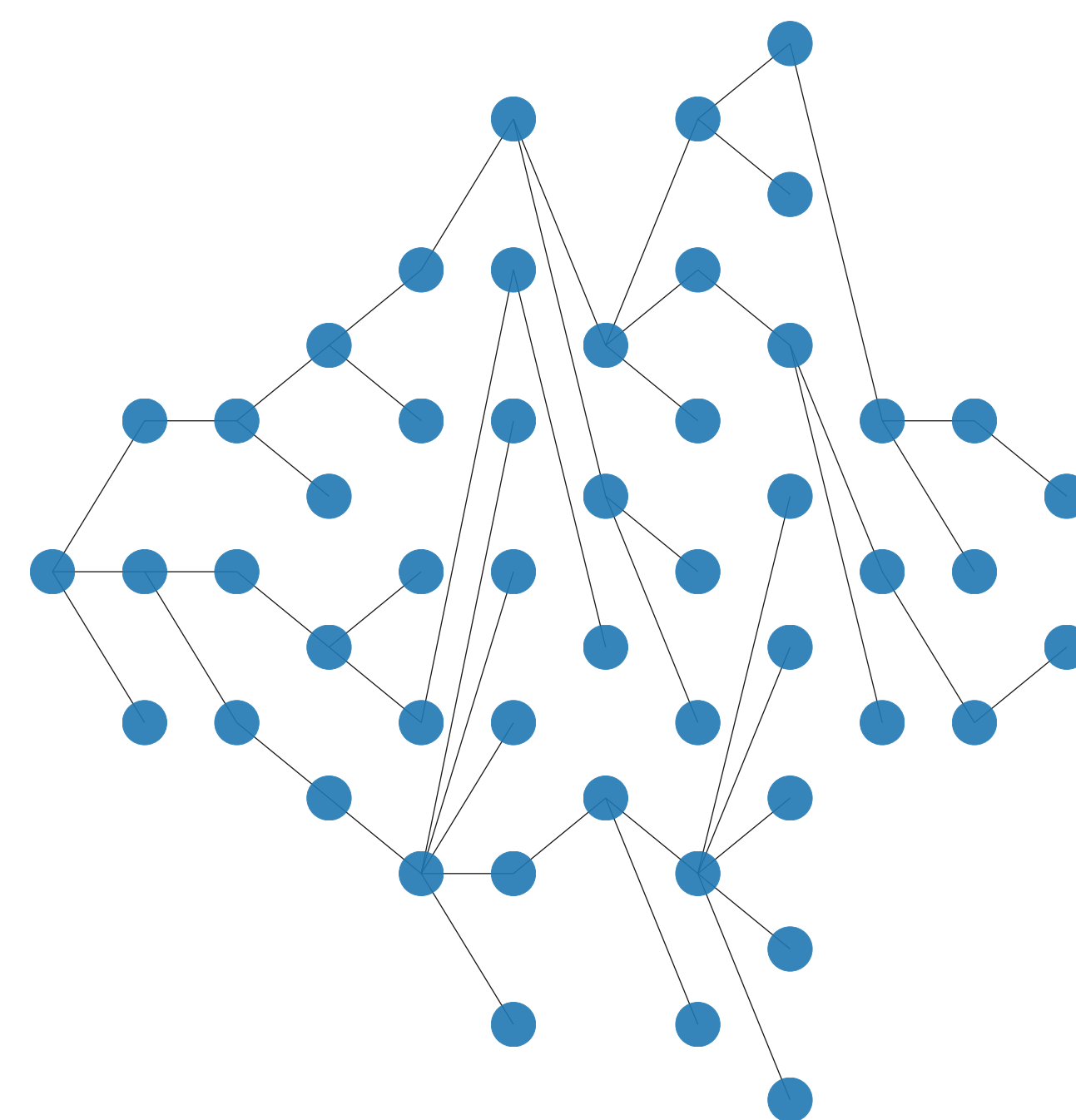
(d)

Ring Graph  
50 edges,  $\lambda_2(\mathcal{L}) = 0.02$



(e)

Random Tree  
49 edges,  $\lambda_2(\mathcal{L}) = 0.01$



(f)