

$N = 500K, N_{\text{init}} = 100, \mu = 20.0, \rho = 0.0, \beta = 0.01, \sigma_{\beta} = 0.0, \lambda_E = 1.0, \lambda_I = 1.0, \epsilon_{\rho} = 0.01, f_{02} = 0.0, \text{connect}_{\text{algo}} = 1$

