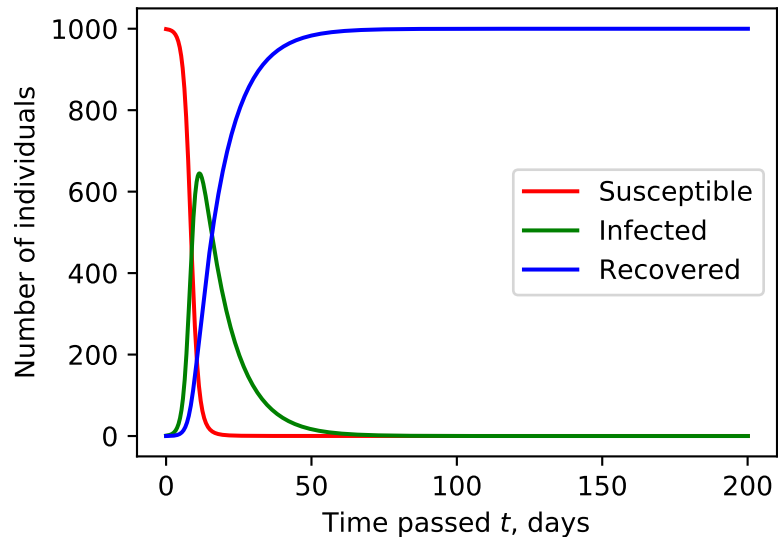
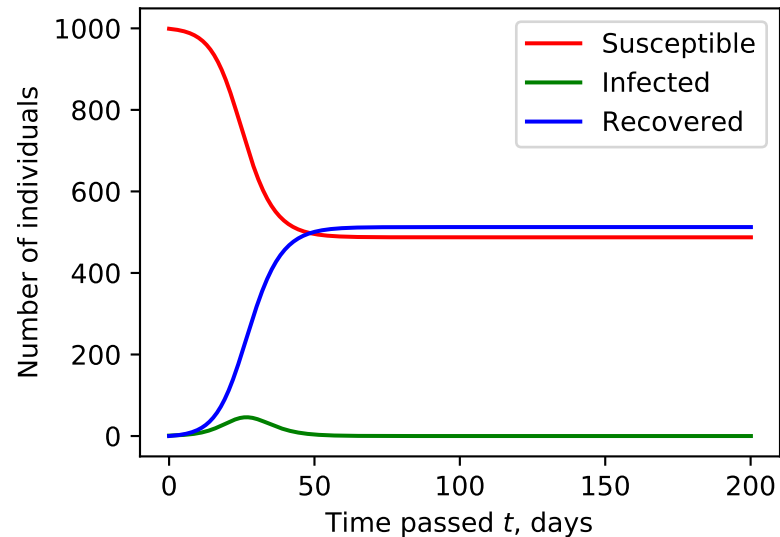


# SIR Model for Infectious Disease

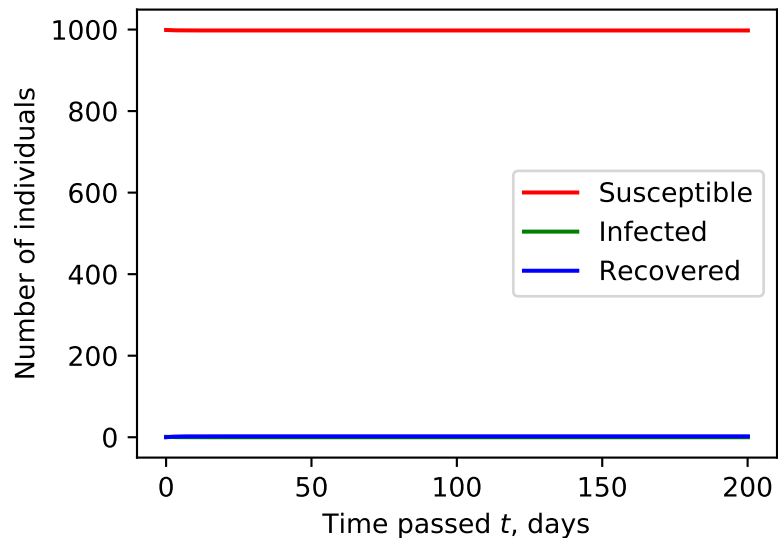
$N = 1000, \gamma = 0.1, \beta = 0.9$



$N = 1000, \gamma = 0.5, \beta = 0.7$



$N = 1000, \gamma = 0.9, \beta = 0.5$



$N = 1000, \gamma = 0.01, \beta = 0.2$

