Analysis

From old mathematical branch of *Epidemiology* [Bailey 75]

- Population of (n+1) individuals mixing homogeneously
- Contact rate between any individual pair is β
- At any time, each individual is either uninfected (numbering *x*) or infected (numbering *y*)
- Then, $x_0 = n, y_0 = 1$ and at all times x + y = n + 1
- Infected–uninfected contact turns latter infected, and it stays infected

