

$$dI(t)/dt = \eta / \Omega(t) [N - I(t)] \rightarrow \dot{I}(t) = \frac{\eta}{\Omega} I(t) \cdot [N - I(t)]$$

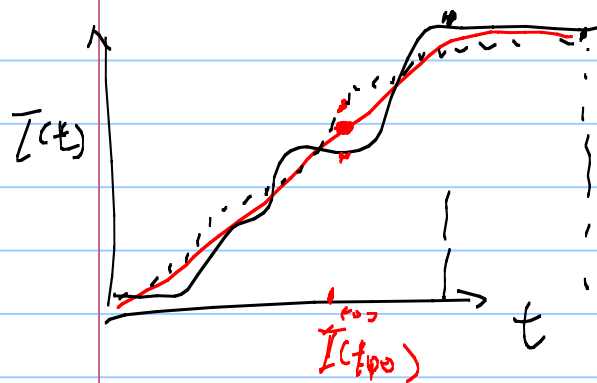
Note Title

10/27/2011

$$\Omega = 2^{32-n} = 2^{32-18} = 2^{14}$$

192.168.0.0/18

192.168.0.0, 192.168.0.2, ..., 192.168.0.800



$$N = 400$$

$I(t) = N \rightarrow$ end condition

Node $[i] \rightarrow$ 192.168.0.2i

for $i = 1: 400$

if (Node[i] infected?)

pick η zp \rightarrow

if $zp_i \in [1, 400]$

$$\Omega = 2^{14}$$

(0, 1, 2, 3, 4, 800, $2^{14}-1$)

Node[zp_i] will be infected at time t+X

$$\pi Q = 0$$

$$\pi 1 = 1$$

$$\pi \begin{bmatrix} Q \\ \vdots \\ 1 \end{bmatrix} = [0 \ 0 \ 0 \ 0 \ 0 \ 0 \ 1]$$

$$\pi = [0 \ 0 \ 0 \ 0 \ 0 \ 0 \ 1] \cdot \begin{bmatrix} Q \\ \vdots \\ 1 \end{bmatrix}^{-1}$$