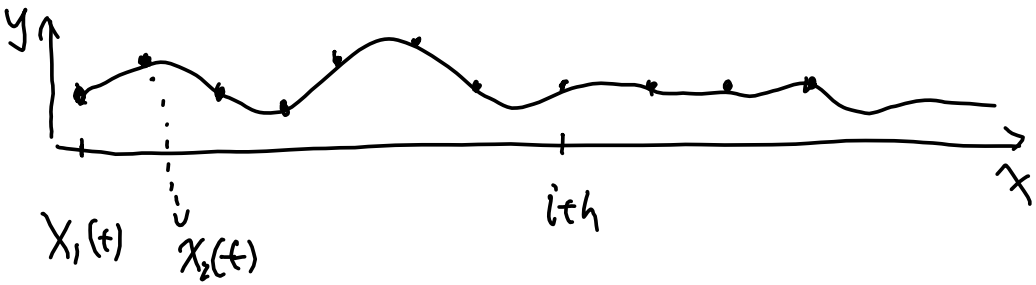
- $X_i(t) = (U-0.5) + (X_{i-1}(t-1) + X_{i+1}(t-1)) / 2$

Monday, October 13, 2014 11:59 AM



Suppose a node has 4 neighbour.

P(it will be infected in the end)

= 1 - P(none of those 4 attempts infect it)

= $1-(1-p)^4$