$$\lambda = \lambda_0 e^{-\alpha pn} \quad P = \frac{I}{N} \qquad I = \sum_{i} (I_i + A_i) \qquad J = \sum_{i} (I_i + \varepsilon A_i)$$

$$\downarrow^{\mu} \qquad \uparrow^{\mu} \qquad \uparrow^{\mu} \qquad \uparrow^{\mu} \qquad \uparrow^{\mu} \qquad \uparrow^{\mu} \qquad \downarrow^{\mu} \qquad$$