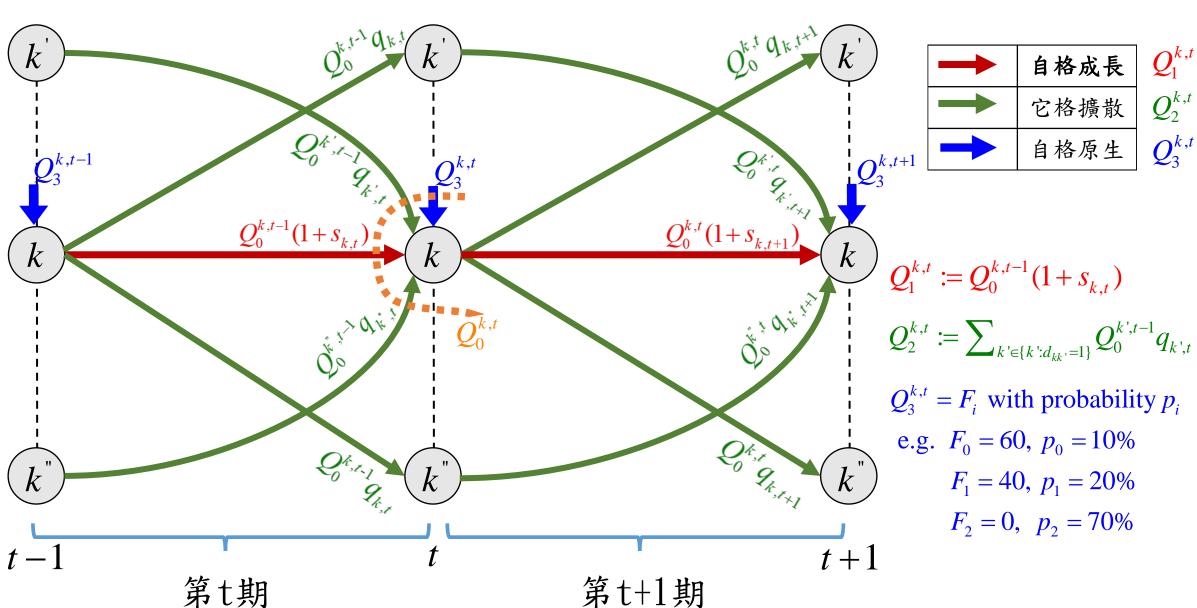
未投藥

網格k第t期期末總病毒量

$$Q_0^{k,t} = Q_1^{k,t} + Q_2^{k,t} + Q_3^{k,t}$$



若第t期於網格k投入強度 $X_{k,t}$ 範圍 $R_{k,t}$ 的藥劑

假設第t期時網格k'有投藥,但網格k"沒有投藥 第t+1期時網格k',k"皆無投藥 網格k第t期期末總病毒量

$$Q_0^{k,t} = (Q_1^{k,t} + Q_2^{k,t} + Q_3^{k,t}) \prod_{k' \in \{k': d_{kk'} \le R_{k',t}\}} (1 - X_{k',t} / 2^{d_{kk'}})$$

