



Parents

P(AA)

AA x AA

$P^2$

AA x AB

$PQ/2$

AA x BB

AB x AB

$Q^2 / 4$

AB x BB

BB x BB

$$P_{t+1} = P_t^2 + \frac{P_t Q_t}{2} + \frac{Q_t^2}{4}$$

$$= \left( P_t + \frac{Q_t}{2} \right)$$

$$= p^2$$

Parents	P(AA)
AA x AA	$P^2$
AA x AB	$PQ/2$
AA x BB	
AB x AB	$Q^2 /4$
AB x BB	
BB x BB	

$$\begin{aligned}
 P_{t+1} &= P_t^2 + \frac{P_t Q_t}{2} + \frac{Q_t^2}{4} \\
 &= \left( P_t + \frac{Q_t}{2} \right) \\
 &= p^2
 \end{aligned}$$

Parents	P(AB)
AA × AA	
AA × AB	$PQ/2$
AA × BB	$PR$
AB × AB	$Q^2/2$
AB × BB	$QR/2$
BB × BB	