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	

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

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

$$= p^2$$

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