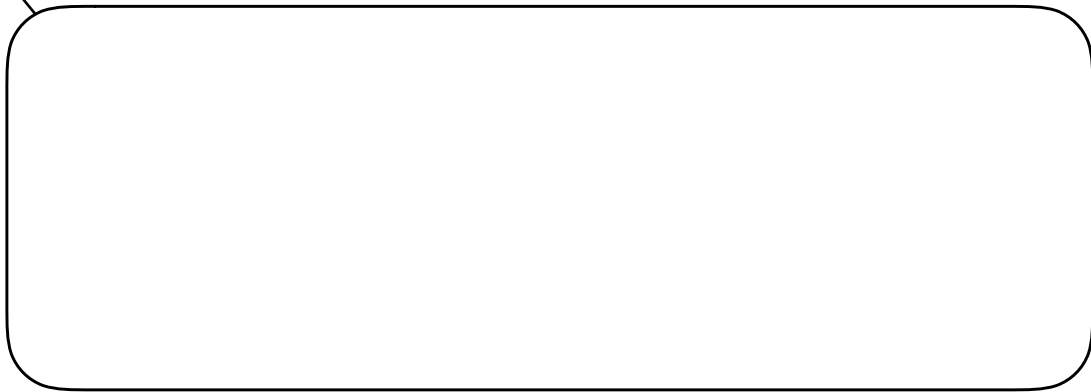
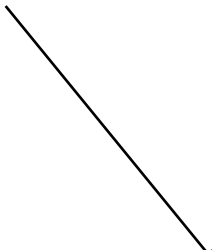




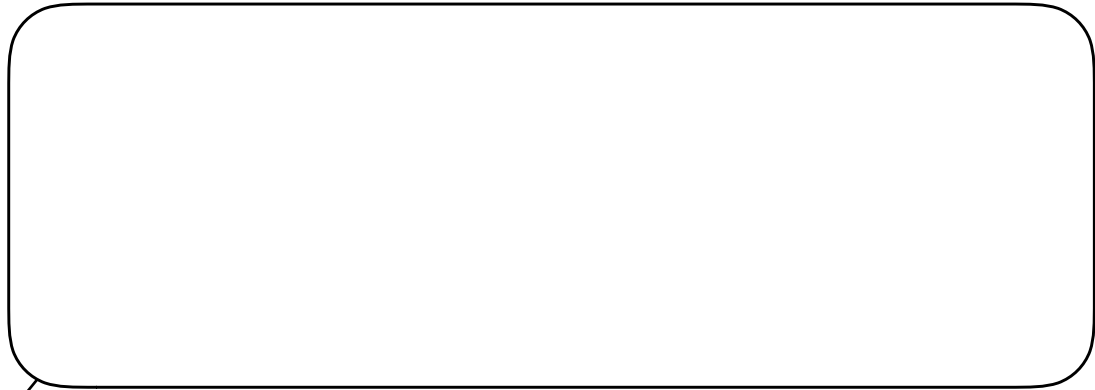
Parental Genotype	Offspring Genotype	Frequency
AA	AA	P
AB	1/4 AA	Q/4
	1/2 AB	Q/2
	1/4 BB	Q/4
BB	BB	R



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



$$R_{t+1} = R_t + \frac{Q_t}{4}$$



$$Q_{t+1} = \frac{Q}{2}$$

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

Parental Genotype	Offspring Genotype	Frequency
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$$Q_{t+1} = \frac{Q}{2}$$

$$R_{t+1} = R_t + \frac{Q_t}{4}$$

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