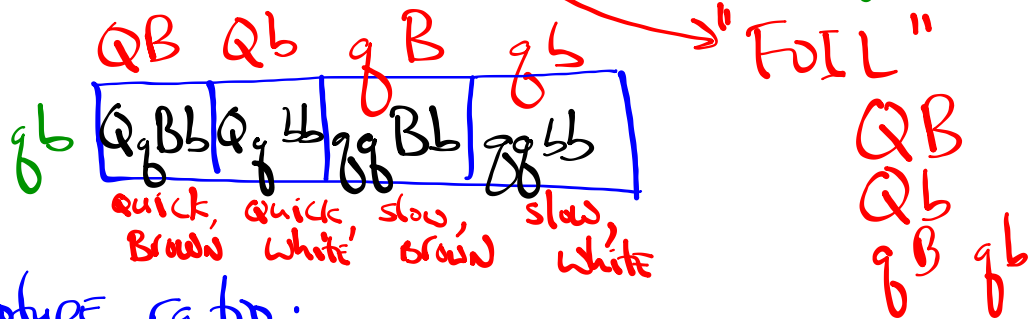


1. a. Quick = Q Brown = B
 slow = q white = b

b. P₁ cross : Q_qB_B × q_qb_b GAMETES

c.



Genotype ratio:

1:1:1:1

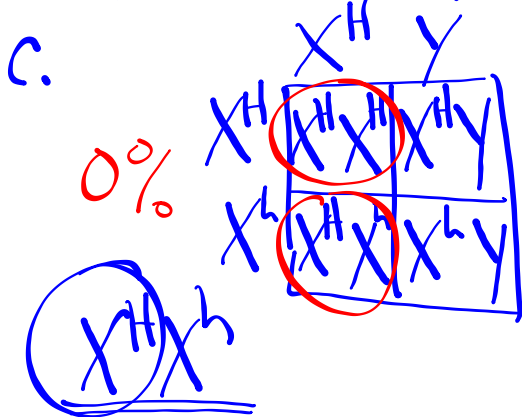
phenotype ratio:

1:1:1:1

2. a. hemophilia - X^h
 normal - X^H

b. P₁ cross: $X^H Y \times X^H X^h$

$X^H X^h$



d: Genotype ratio
 1:1:1:1

e. 2 - ♀ normal
 1 - ♂ normal
 1 - ♂ hemophil

3. normal - N

colorblind - n

P₁ cross - $X^N X^n \times X^n Y$

	X^N	X^n
X^n	$X^N X^n$	$X^n X^n$
Y	$X^N Y$	$X^n Y$

1/4

4. Antennapedia - A
normal - a

$$A: \frac{575}{1200} = 47.9\% (50)$$

$$a: \frac{625}{1200} = 52.1\% (50)$$

A:

aa x Aa ←

	A	a
A	Aa	aa
a	Aa	aa

B. ^{P.} Aa x Aa

	A	a
A	AA	Aa
a	Aa	aa

G. ratio:
1:2:1

P. ratio:
3:1

