

1

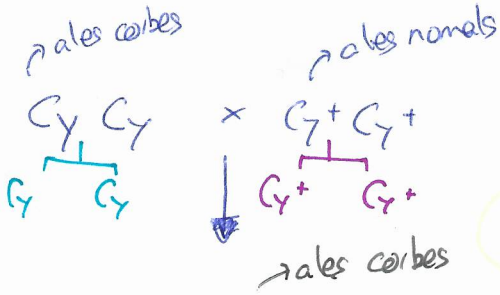
$C_Y \rightarrow$ ales corbes

$C_Y^+ \rightarrow$ ales normals / estirades

Dominància

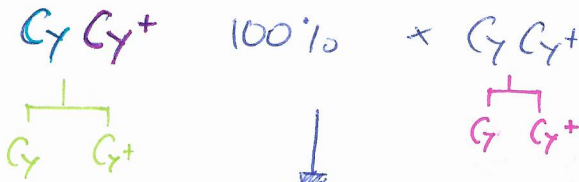
$C_Y > C_Y^+$

P



15

F₁



F ₂	C_Y	C_Y^+	
C_Y	$C_Y C_Y$	$C_Y C_Y^+$	
C_Y^+	$C_Y C_Y^+$	$C_Y^+ C_Y^+$	

1: $C_Y C_Y$

15

3: ales corbes

2: $C_Y C_Y^+$

1: ales normals

1: $C_Y^+ C_Y^+$

5

2

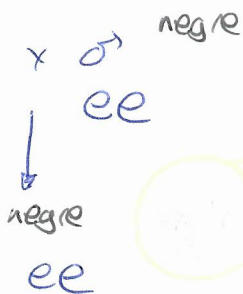
$e^+ \rightarrow$ cos marró

$e \rightarrow$ cos negre

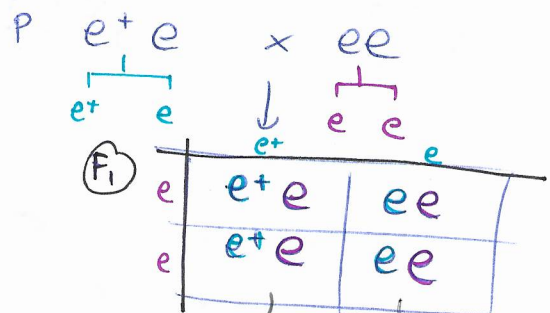
$e^+ > e$

a) ♂ homocigot recessiu
♀ heterocigot

P ♀ marró (?)



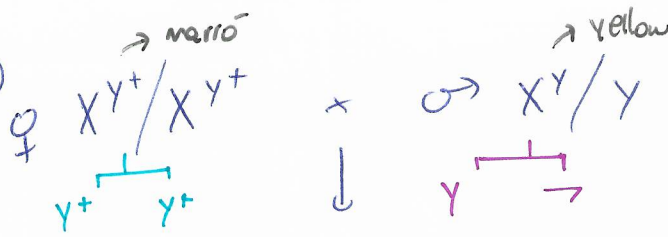
F₁



50% marró #10

50% negre #9

3



$Y^+ \rightarrow$ cos marro
 $Y \rightarrow$ cos groe

$Y^+ > Y$

#14

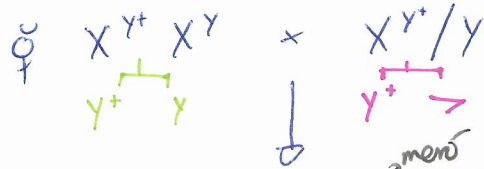
P

F₁

$X^{Y^+} X^Y$	X^{Y^+}/Y
$X^{Y^+} X^Y$	X^{Y^+}/Y

♀ ♂

100% marro



F₂

Y^+	X^{Y^+}/X^{Y^+} (marro)	X^{Y^+}/Y (marro)
Y	X^Y/X^{Y^+}	X^Y/Y (yellow)

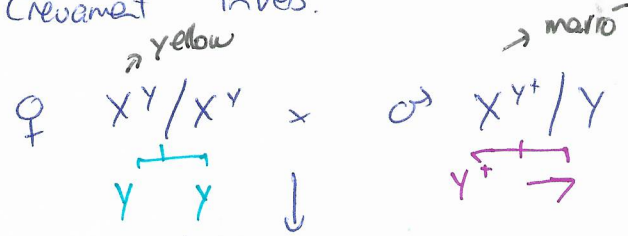
♀ ♂

3:1 yellow.

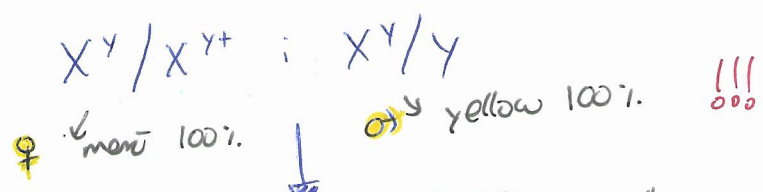
♀ 100% marro #12
 ♂ 50-50% #6 #6

d) Creamat inves.

P



F₁



F₂

Y	$X^Y X^Y$	X^Y/Y	♀ 50-50
Y^+	$X^{Y^+} X^Y$	X^{Y^+}/Y	♂ 50-50.

marro ♀ ♂ marro

phenotyp 1:1 (50% yellow). !!!

4

$w^+ \rightarrow$ ulls vermells

$w \rightarrow$ ulls blancs

$w^+ > w$

a) Totes les opcions parentals \neq (vermell - blanc) # 20 vermell (♀)
18 blanc (♂)

1) $\left| \begin{array}{c} \text{♀ white} \times \text{♂ red} \\ \hline w \quad w \quad \quad w^+ \rightarrow \end{array} \right|$

$F_1 \left| \begin{array}{c} w \quad w^+ \quad \text{♀ red} \\ w \rightarrow \quad \text{♂ white} \end{array} \right|$

$F: 50\% - 50\%$
♀ ♂

2) $\left| \begin{array}{c} \text{♀ red} \times \text{♂ white} \\ \hline w^+ \quad w^+ \quad \quad w \rightarrow \end{array} \right|$

$F_1 \left| \begin{array}{c} w \quad w^+ \quad \text{♀ red} \\ w^+ \rightarrow \quad \text{♂ red} \end{array} \right|$

$F: 100\% \text{ (red)}$

3) $\left| \begin{array}{c} \text{♀ red} \times \text{♂ white} \\ \hline w^+ \quad w \quad \quad w \rightarrow \end{array} \right|$

$F_1 \left| \begin{array}{c} w^+ \quad w \quad \text{♀ red} \\ w \quad w \quad \text{♀ white} \\ w^+ \rightarrow \quad \text{♂ red} \\ w \rightarrow \quad \text{♂ white} \end{array} \right|$

$F: 50\% - 50\%$
♀ ♂ ♀ ♂

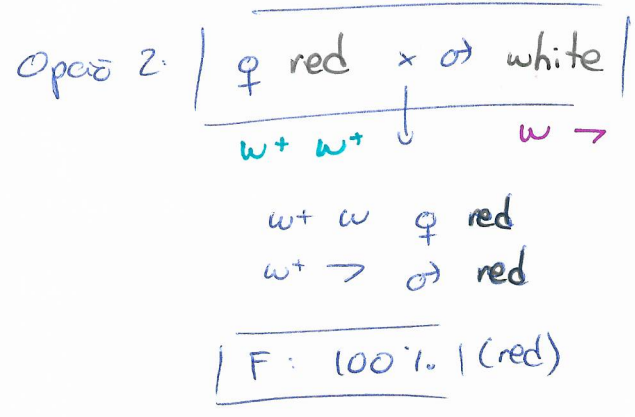
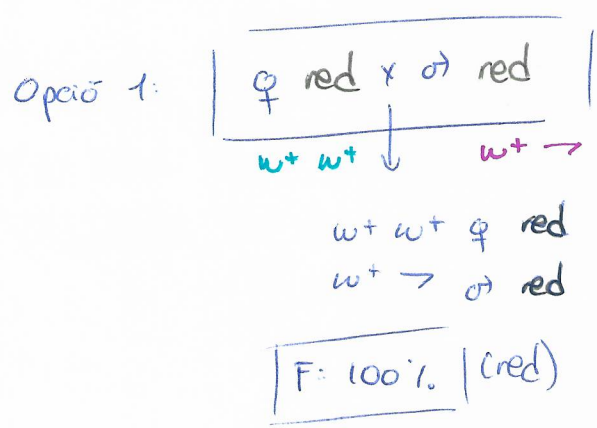
b) Proporcions F_2 .

		w	w^+
w	w	w	w^+
w^+	w^+	w	w^+
	♀	♂	

$F: 50\% - 50\%$
♀ ♂ ♀ ♂

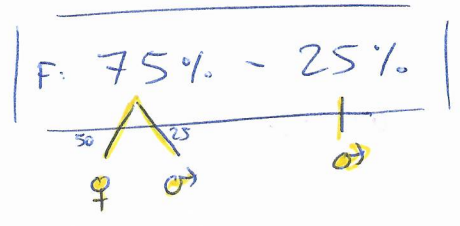
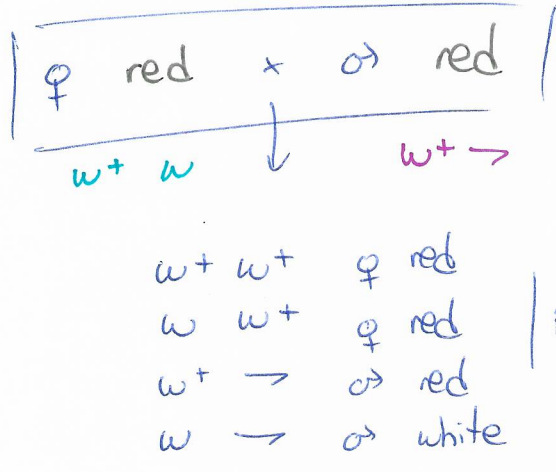
18 ♀ vermell
16 ♂ vermell
21 ♀ blanc
17 ♂ blanc

c) Genotip parental si: totes mosques F_1 red (♀ / ♂)

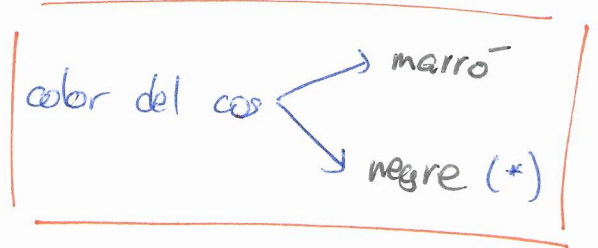
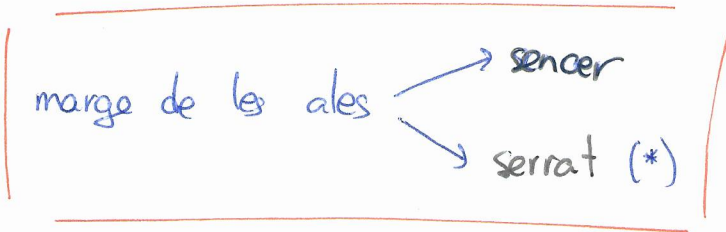


d) Genotip parental si: # 48 ♀ vermell
 # 26 ♂ vermell
 # 24 ♂ blanc

* ♂ red : white \rightarrow mare heterozigota (red)
 * ♀ vermell \rightarrow pare red

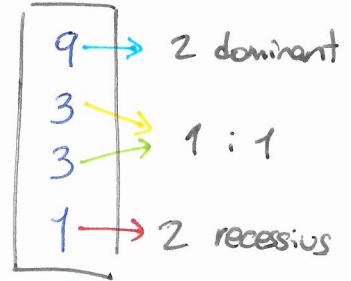


5) DITIBRIDISME



3^{er} Llei de Mendel: "Herència independent caràcters"

Individus heterozigots 2 gens (F_1) \rightarrow (F_2)
 (2 gens \equiv 4 al·lels $\rightarrow 4 \times 4 = 16$ combinacions)

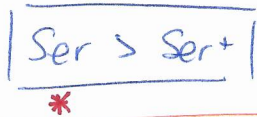


OBSERVAT	ESPERAT
marro, serrat = 580 \rightarrow	9/16 de 990 = 556 *
marro, sencer = 180 \rightarrow	3/16 de 990 = 186 *
negre, sencer = 60 \rightarrow	1/16 de 990 = 62 *
negre, serrat = 170 \rightarrow	3/16 de 990 = 186 *
990 TOTAL	

"serrate" (ser)

Ser⁺ \rightarrow marge sencer

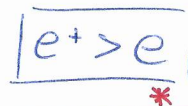
Ser \rightarrow marge serrat *



"ebony" (e)

e⁺ \rightarrow cos marro

e \rightarrow cos negre *



(F_1) Ser⁺Ser ; e⁺e \rightarrow marge serrat, cos marro

F_2	Ser ⁺ e ⁺	Ser ⁺ e	Ser e ⁺	Ser e
Ser ⁺ e ⁺	■	■	■	■
Ser ⁺ e	■	■	■	■
Ser e ⁺	■	■	■	■
Ser e	■	■	■	■

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