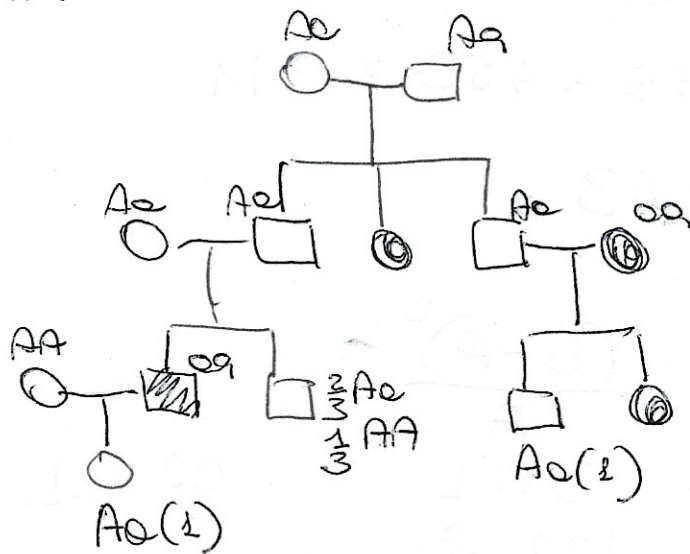


COMPITO A

Es #1



$$(1) P(aa) = \frac{1}{4} \quad P(A-) = \frac{3}{4}$$

$$P = 1 - \left(\frac{3}{4}\right)^4 = 1 - \frac{81}{256} = \frac{175}{256} = 0.68$$

(2)

III 3

III 5

Aa
2/3

aa
1

→ Aa
1/2

= 1/3

$$P = \left(\frac{2}{3}\right)^4$$

AA
1/3

aa
1

→ Aa
1

= 1/3

Es # 2

$$P(x^v) = \frac{(2 \times 250) + 200 + 50}{(2 \times 450) + 300} = \frac{500 + 200 + 50}{900 + 300}$$

$$= \frac{750}{1200} = 0.625$$

$$P(x^g) = 1 - 0.625 = 0.375$$

$$X^V X^V = (0.625)^2 \times 450 = 176$$

$$X^V X^G = 2 \times 0.625 \times 0.375 \times 450 = 211$$

$$X^G X^G = (0.375)^2 \times 450 = 63$$

	O	A	$\frac{(O-A)^2}{A}$	
$X^V X^V$	250	176	31.1	$\chi^2 = 1$
$X^V X^G$	50	211	122.84	
$X^G X^G$	150	63	120.14	
			<u>274.08</u>	

Popolazione non in equilibrio

Es #3

$\frac{H}{+} \frac{l}{+}$
18mi

$\frac{+ l}{H +} \times \frac{+ l}{+}$

	0.5 + l	0.5 y
0.41 + l	$\frac{+ l}{+ l} *$	$\frac{+ l}{y}$
0.41 H +	$\frac{+ l}{H +}$	$\frac{H +}{y} \bullet$
0.09 + +	$\frac{+ +}{+ l}$	$\frac{+ +}{y} \bullet$
0.09 H l	$\frac{H l}{+ l}$	$\frac{H l}{y}$

$$(1) (0.41 \times 0.5) + (0.09 \times 0.5) = 0.205 + 0.045 = 0.25 \times 3200 = 800$$

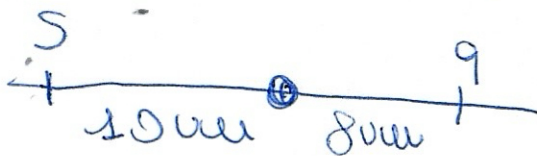
$$(2) (041) \times (05) \times 6000 = 1230$$

ES #4 (1)

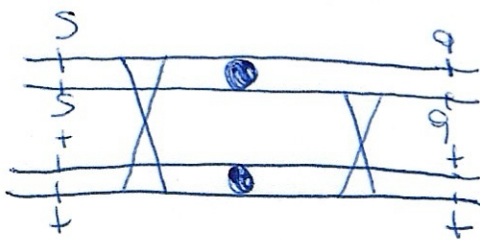
$$d_{SCEN} = \frac{1}{2} \left(\frac{34 + 5 + 4 + 3}{224} \right) = 0.10 = 100\mu$$

$$d_{q-CEN} = \frac{1}{2} \left(\frac{24 + 5 + 4 + 3}{224} \right) = 0.08 = 80\mu$$

$$d_{S-q} = \frac{4 + 1/2(34 + 24 + 5)}{224} = 0.158$$



(2)



#4

+	q
S	+
+	+
S	q