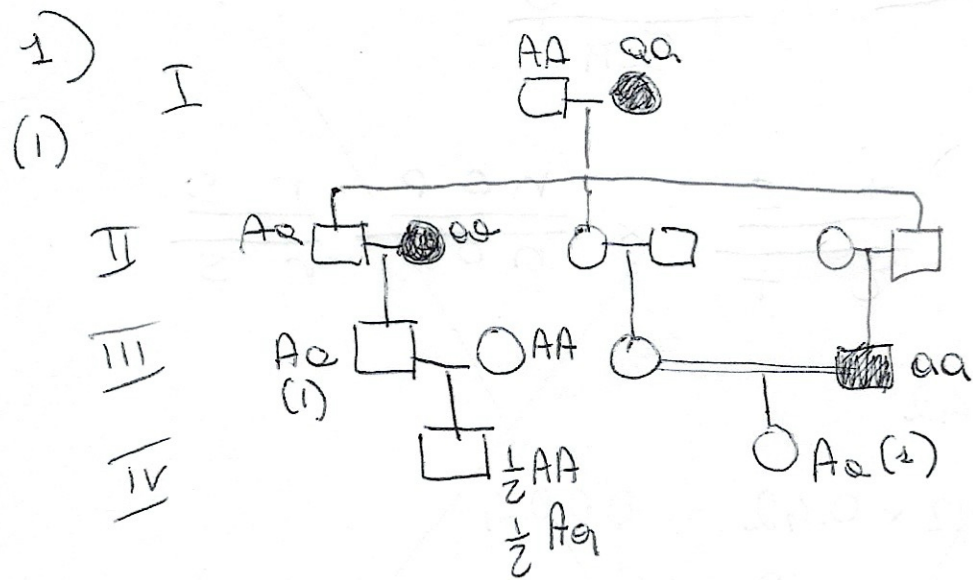


# COMPRO B

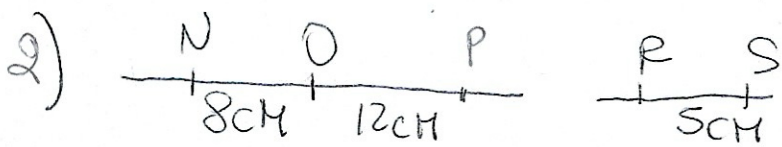


IV 1		IV 2	→	Aa	
AA		Aa		Aa	
$\frac{1}{2}$	×	1	×	$\frac{1}{2}$	= $\frac{1}{4}$
Aa		Aa		Aa	
$\frac{1}{2}$	×	1	×	$\frac{1}{2}$	= $\frac{1}{4}$

$$P = \frac{1}{4} + \frac{1}{4} = \frac{2}{4} = \frac{1}{2}$$

(2)  $P(aa) = \frac{1}{2} \times 1 \times \frac{1}{4} = \frac{1}{8}$        $P(A^-) = \frac{7}{8}$

$$P = \frac{5!}{3! \cdot 2!} \times \left(\frac{7}{8}\right)^3 \times \left(\frac{1}{8}\right)^2$$



$$\frac{n \quad o \quad +}{+ \quad + \quad p} ; \frac{+ \quad s}{z \quad +} \times \frac{n \quad o \quad p}{n \quad o \quad p} \quad \frac{r \quad s}{r \quad s}$$

$$I = 0.58 ; c = 0.42$$

$$(a) \text{DORPI} = 0.08 \times 0.12 \times 0.42 = 0.004$$

$$\text{Sc I}^e \text{ req } 0.08 - 0.004 = 0.076$$

$$\text{Sc II} \text{ req } 0.12 - 0.004 = 0.116$$

$$\Sigma = 0.004 + 0.076 + 0.116 = 0.196$$

$$P = 1 - 0.196 = 0.804 / 2 \Rightarrow (+ + p) = 0.402$$

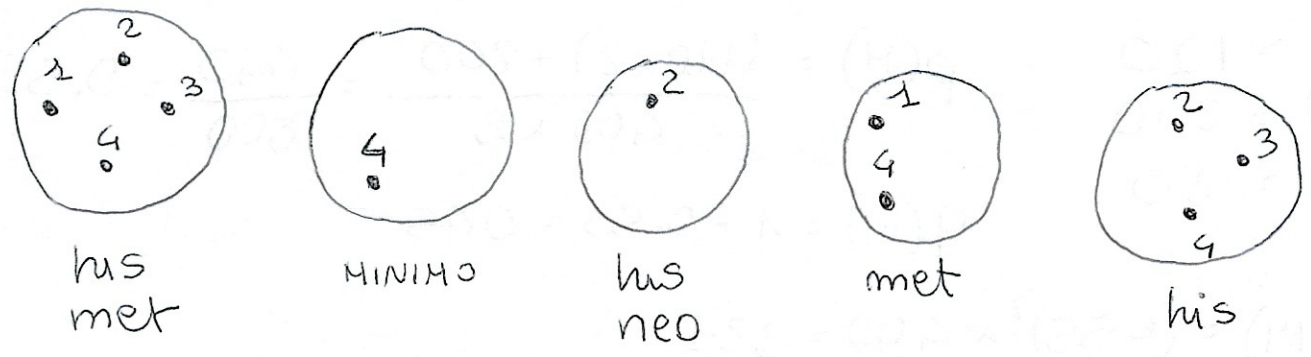
$r + \Rightarrow$  0.5 Ricambi  
0.95 Percentuali

$$0.95 / 2 = 0.475 (z +)$$

$$P_{\text{TOT}} = 0.402 \times 0.475 = 0.19 \times 3000 = 573$$

$$(b) P = 0$$

3)



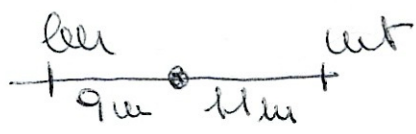
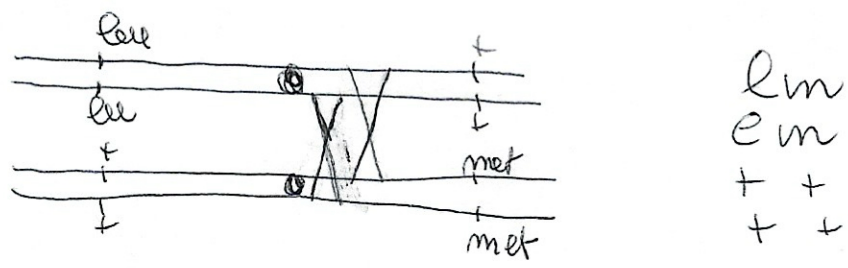
colonia # 1 : his<sup>+</sup> met<sup>-</sup> neo<sup>S</sup> neo<sup>R</sup>  
 colonia # 2 : his<sup>-</sup> met<sup>+</sup> neo<sup>R</sup>  
 colonia # 3 : his<sup>-</sup> met<sup>+</sup> neo<sup>S</sup>  
 colonia # 4 : his<sup>+</sup> met<sup>+</sup> neo<sup>S</sup>

$$d_{\text{leu-CEN}} = \frac{1}{2} \left( \frac{10 + 65 + 8}{452} \right) = \frac{1}{2} \cdot \frac{83}{452} = 0.09 = 9 \mu\text{m}$$

$$d_{\text{met-CEN}} = \frac{1}{2} \left( \frac{86 + 10 + 8}{452} \right) = \frac{1}{2} \times \frac{104}{452} = 0.11 = 11 \mu\text{m}$$

$$d_{\text{leu-met}} = \frac{5 + \frac{1}{2}(86 + 65 + 8)}{452} = \frac{89}{452} = 0.195 = 19.5 \mu\text{m}$$

GENI DA PARTI OPPOSITE RISPETTO AL CENTROMERO



5) MED

$$MM = 120$$

$$MN = 200$$

$$NN = 80$$

$$p(M) = \frac{(120 \times 2) + 200}{400 \times 2} = \frac{440}{800} = 0.55$$

$$q(N) = 1 - 0.55 = 0.45$$

$$p^2(MM) = (0.55)^2 \times 400 = 121$$

$$2pq(MN) = 2 \times 0.55 \times 0.45 \times 400 = 198$$

$$q^2(NN) = (0.45)^2 \times 400 = 81$$

	OSS	AT	$(O-A)^2/A$
MM	120	121	0.0083
MN	200	198	0.02
NN	80	81	0.0123
			<hr/>
			0.04 $\chi^2$

$$p_e = 1$$

POPOLAZIONE IN EQUILIBRIO