

# COMPITO 2

Es #1

(a)  $P_{\text{SANO}} = 1 - P_{\text{MACRO}}$

$$P_{\text{MAC}}(00) = \frac{2}{3} \times \frac{1}{2} \times \frac{2}{3} \times \frac{1}{2} \times \frac{1}{4} = \frac{1}{36}$$

$$P_{\text{SANO}} = \frac{35}{36}$$

(b)  $P_{\text{III} \rightarrow \text{AA}} = P_{\text{II} \rightarrow \text{AA}} \times P_{\text{II} \rightarrow \text{AA}}$

$$\begin{array}{c} \text{AA} \times \text{AA} \times \text{AA} \\ \frac{1}{2} \times \frac{1}{3} \times \frac{1}{2} = \frac{1}{12} \end{array}$$

$$\begin{array}{c} \text{AA} \times \text{Aa} \times \text{AA} \\ \frac{1}{2} \times \frac{2}{3} \times \frac{1}{2} = \frac{1}{3} \end{array}$$

$$P_{\text{III} \rightarrow \text{AA}} = \frac{2}{3} ; P_{\text{III} \rightarrow \text{Aa}} = \frac{1}{3}$$

$$\text{II} \rightarrow \text{AA} : P(\text{AA}) = \frac{1}{3} ; P(\text{Aa}) = \frac{2}{3}$$

$$\text{III} \rightarrow \text{AA} \times \text{II} \rightarrow \text{Aa} \rightarrow \text{Aa}$$

$$\begin{array}{c} \text{AA} \\ \frac{2}{3} \end{array} \times \begin{array}{c} \text{Aa} \\ \frac{2}{3} \end{array} \times \frac{1}{2} = \frac{2}{9}$$

$$\begin{array}{c} \text{Aa} \\ \frac{1}{3} \end{array} \times \begin{array}{c} \text{Aa} \\ \frac{2}{3} \end{array} \times \frac{1}{2} = \frac{1}{9}$$

$$\begin{array}{c} \text{Aa} \\ \frac{1}{3} \end{array} \times \begin{array}{c} \text{AA} \\ \frac{1}{3} \end{array} \times \frac{1}{2} = \frac{1}{18}$$

$$P = \frac{1}{18} + \frac{1}{9} + \frac{2}{9} = \frac{1 + 2 + 4}{18} = \frac{7}{18}$$

Es n 2

$$\frac{a c +}{a c +} \times \frac{+ + b}{+ + b}$$

$$\frac{a c +}{+ + b} \times \frac{a c +}{+ + b}$$

c è centrale

$$d_{a-c} = \frac{60 + 61 + 11}{1248} = \frac{132}{1248} = 0,105 \times 100 = 10,5\%$$

$$d_{c-b} = \frac{34 + 34 + 11}{1248} = \frac{79}{1248} = 0,063 \times 100 = 6,3\%$$

Es n 3

$$p(V) = \frac{(2 \times 130) + 228 + 99}{2 \times 296 + 330} = \frac{587}{922} = 0,63$$

$$p(M) = 1 - 0,63 = 0,37$$

ES no. 4

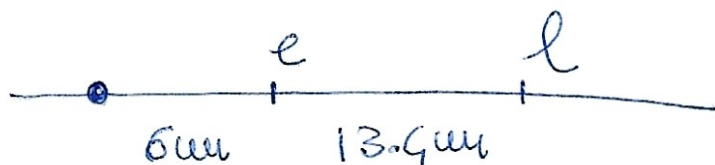
(a) in row = e + x + l

$$de-cen = \frac{1}{2} \left( \frac{6+5+6+5+5}{204} \right) = \frac{1}{2} \left( \frac{27}{204} \right) = 6 \mu m$$

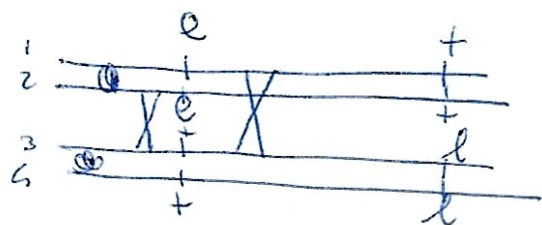
$$df-cen = \frac{1}{2} \left( \frac{6+5+11+14+5+5+8+10}{204} \right) = \frac{1}{2} \left( \frac{65}{204} \right) = 15.9 \mu m$$

$$de-l = \frac{0 + 1/2(11+14+6+5+8+10)}{204} =$$

$$= \frac{27.5}{204} = 13.4 \mu m$$



(b)



TETRAPEGS

1	e	l
2	+	+
3	e	+
4	+	e