COMPITO #1

Es 1)

(a) $p\,III\,1\,(AA)$

$II\,1 \times II\,2 \rightarrow III\,1$

AA AA AA

$1 \times \frac{1}{3} \times 1 = \frac{1}{3}$

AA Aa AA

$1 \times \frac{2}{3} \times \frac{1}{2} = \frac{1}{3}$

$P_{III\,1}\,AA = \frac{1}{3} + \frac{1}{3} = \frac{2}{3}$; $P_{III\,1}\,Aa = \frac{1}{3}$

$III\,1 \times III\,2 \rightarrow Aa$

AA Aa $\rightarrow$ Aa

$\frac{2}{3} \times 1 \times \frac{1}{2} = \frac{1}{3}$

Aa Aa $\rightarrow$ Aa

$\frac{1}{3} \times 1 \times \frac{1}{2} = \frac{1}{6}$

$P = \frac{1}{3} + \frac{1}{6} = \frac{1}{2}$

(b) $p(aa) = \frac{1}{4}$; $p(A^-) = \frac{3}{4}$

$P\,3\,maschi = \frac{1}{4} \times \frac{1}{4} \times \frac{1}{4} = \frac{1}{64}$

$1 - \frac{1}{64} = \frac{63}{64}$

Es 2)

$$\frac{q\ Sb\ +\ +}{+\ +\ +} \times \sigma \frac{+\ zy\ e}{+\ ry\ e}$$

F1
$$q\ \frac{Sb\ +\ +}{+\ zy\ e} \times \frac{+\ zy\ e}{+\ zy\ e}$$

F2 mancano i DOPPI CROSSING OVER

$$\left.\begin{array}{l} +\ +\ e = 0 \\ Sb\,zy\ +\ = 0 \end{array}\right\}$$

$$d_{Sb\text{-}zy} = \frac{198+187}{2458} = \frac{385}{2458} = 0.156 \times 100 = 15.6\ um$$

$$d_{zy\text{-}e} = \frac{6+8}{2458} = \frac{14}{2458} = 0,0057 \times 100 = 0.57\ um$$

Es 3)

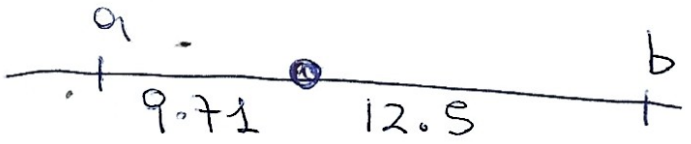
	Bgal		permeasi	
	no lett.	si lett.	no lett.	si lett.
$\frac{I^- P^+ O^+ Z^- Y^-}{I^+ P^- O^c Z^+ Y^+}$	−	−	−	−
$\frac{I^- P^+ O^c Z^+ Y^-}{I^+ P^+ O^+ Z^- Y^-}$	+	+	−	−
$\frac{I^+ P^+ O^c Z^+ Y^+}{I^s P^+ O^+ Z^- Y^-}$	+	+	+	+
$\frac{I^+ P^+ O^+ Z^- Y^+}{I^- P^- O^c Z^+ Y^-}$	−	−	−	+
$\frac{I^+ P^- O^c Z^+ Y^+}{I^+ P^+ O^c Z^- Y^-}$	−	−	−	−

ESG) a + x + b

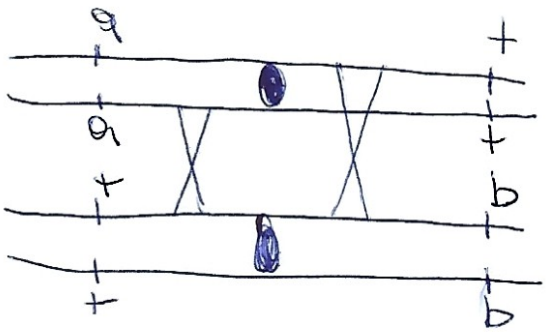
(a) $d_{a\text{-}CEN} = \frac{1}{2}\left(\frac{6+64+12}{422}\right) = 0,0971 \times 100 =$
$= 9.71\,cm$

$d_{b\text{-}CEN} = \frac{1}{2}\left(\frac{88+6+12}{422}\right) = \frac{1}{2}\left(\frac{106}{422}\right) = 0,125 \times 100$
$= 12.5\,cm$

$d_{a\text{-}b} = \frac{2+1/2(88+64+12)}{422} = \frac{2+82}{422} = \frac{84}{422} =$
$= 0,199 \times 100 = 19.9\,cm$



(b)



TETRADE F

a	b
+	+
a	+
+	b