

# COMPITO A

Es #1

(1) Prob che  $\text{III}4$  sia AA:

$$\text{II}3 \times \text{II}4$$

$$AA \times AA \rightarrow AA$$

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

$$Aa \times AA \rightarrow Aa$$

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

$$P_{\text{III}4}(AA) = \frac{1}{3} + \frac{1}{3} = \frac{2}{3} ; P_{\text{III}4}(Aa) = \frac{1}{3}$$

$$\text{III}3 \times \text{III}4 \rightarrow \text{IV}1(Aa)$$

$$Aa \times AA \rightarrow Aa$$

$$(1) \quad \frac{2}{3} \times \frac{1}{2} = \frac{1}{3}$$

$$Aa \times Aa \rightarrow Aa$$

$$(1) \quad \frac{1}{3} \times \frac{2}{3} = \frac{2}{9}$$

$$P = \frac{1}{3} + \frac{2}{9} = \frac{5}{9}$$

$$(2) P(\text{macro}) = 1 \times \frac{2}{3} \times \frac{1}{2} \times \frac{1}{4} = \frac{1}{12}$$

$$P(\text{sewo}) = \frac{11}{12}$$

$$P = 1 - \left(\frac{11}{12}\right)^2 = 1 - \frac{121}{144} = 0.16$$

ES #2

$$(1) \frac{a+b}{a+b} \times \frac{+c+}{+c+}$$

$$\text{DOPPI} = abc = 0$$

$$+++ = 0$$

$$F_1 \frac{a+b}{+c+} \times \frac{+++}{+++}$$

$$d_{a-c} = \frac{(97+95)}{1682} = \frac{192}{1682} = 0.11 = 11 \mu\text{m}$$

$$d_{c-b} = \frac{7+5}{1682} = \frac{12}{1682} = 0.00713 = 0.713 \mu\text{m}$$

$$(2) \frac{a+b}{+c+} \times \frac{abc}{abc}$$

$$I = 0.37 \rightarrow CC = 0.63$$

$$\text{DOPPI} = 0.11 \times 0.00713 \times 0.63 = \frac{0.00049}{2} =$$

$$= 0.000245 \times 5000 = 1.23$$

ES #3

$$1) - - - +$$

$$2) - - + +$$

$$3) + + - +$$

$$4) + + + +$$

$$5) - - + +$$

ES #4

