

COMPITO B

ES #1 (1)

$$P(aa) = \frac{2}{3} \times \frac{1}{9} = \frac{1}{6}$$

$$P(A-) = \frac{5}{6}$$

(2) III 4 x III 6 $\rightarrow$ Aa

$$\begin{array}{ccc} Aa & \times & AA \rightarrow Aa \\ 1 & \frac{1}{3} & \frac{1}{2} = \frac{1}{6} \end{array}$$

$$\begin{array}{ccc} Aa & \times & Aa \rightarrow Aa \\ 1 & \frac{2}{3} & \frac{1}{2} = \frac{1}{3} \end{array}$$

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

ES #2

(a) $\begin{array}{ccc} x & y & z \\ | & | & | \\ \hline & 18m & 13m \end{array}$

$$\begin{array}{ccc} + & y & + \\ | & | & | \\ \hline x & + & z \end{array} \times \begin{array}{ccc} + & y & + \\ | & | & | \\ \hline x & + & z \end{array}$$

$$cc = 0.28$$

$$POF = 0.18 \times 0.13 \times 0.28 = \frac{0.0065}{2} = 0.00327$$

$$P = (0.00327)^2 \times 150'000 = 1,6$$

(b)
$$\begin{array}{c} + & y & + \\ | & & | \\ + & & + \\ | & & | \\ x & + & z \end{array} \times \frac{x \quad y \quad z}{x \quad y \quad z} \quad CC = 028$$

DOPPI = 00065 (parte e. dell'esercizio)

z = Scz regione

y = parentale

Sc Ireg = $0.18 - 0.0065 = \frac{0.173}{2} = 0.086 \quad (+ + z)$

Sc IIreg = $0.13 - 0.0065 = 0.1235$

$\Sigma = 0.0065 + 0.173 + 0.1235 = 0.303$

$P = 1 - 0.303 = 0.697/2 = 0.3485 \quad (+ y +)$

$P = + + z = 0.086 \times 8500 = 731$
 $= + y + = 0.3485 \times 8500 = 2962.25$

$P = 731 + 2962.25 = 3693.25$

Es # 3

$X^b Y$

$7/100 = 0.07$ ♂ bianco

$X^{B Y}$

$(0.07)^2 = 0.0049$ ♀ bianco $X^b X^b$

$1 - 0.0049 = 0.9951$

$0.9951 \times 55 = 54.7$

S#4

1) - - + +

2) + + + +

3) + + + +

4) + + - -

5) - - + +