

$$P(D_1 \cup D_2) = P(E) + P(D_1 \cap D_2)$$

$$E \cup (D_1 \cap D_2) = D_1 \cup D_2$$

disjuncti

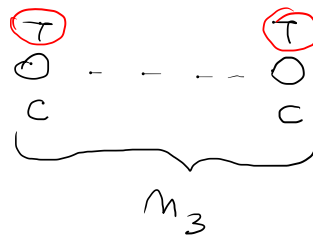
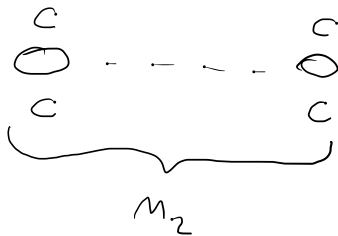
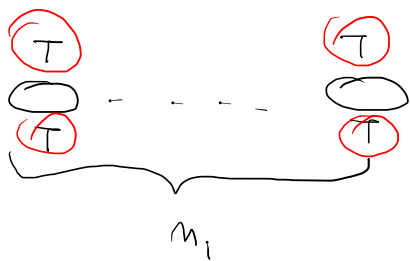
$$P(E) = P(D_1 \cup D_2) - P(D_1 \cap D_2)$$

METODO
ALTERNATIVO

$$P(E) = P(D_1 \cap D_2^c) + P(D_2 \cap D_1^c) = P(D_1)P(D_2^c) + P(D_2)P(D_1^c)$$

$$= \frac{3}{100} \cdot \left(1 - \frac{7}{100}\right) + \frac{7}{100} \cdot \left(1 - \frac{3}{100}\right)$$

$$\frac{P(E)}{P(D_1 \cup D_2)} = \frac{979}{10000} = 0.00979$$



$$\frac{2n_1}{2n_1 + n_3}$$

Le panti circondate in rosso sono $2n_1 + n_3$ (è il denominatore)
 A numeratore si ha il numero di facce Testa che competono
 alle n_1 monete di tipo 1 $\leadsto 2n_1$