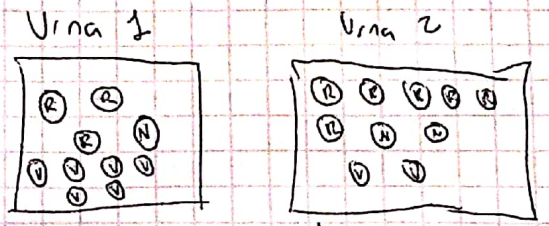
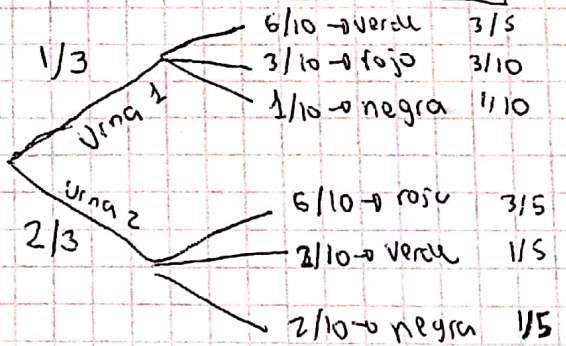
→2.





$P(V \cap U_1) = P(V|U_1) * P(U_1) = \frac{1}{3} \cdot \frac{6}{10} = 1/5$

$P(R \cap U_1) = P(R|U_1) * P(U_1) = \frac{1}{3} \cdot \frac{3}{10} = 1/10$

$P(N \cap U_1) = P(N|U_1) * P(U_1) = \frac{1}{3} \cdot 1/10 = 1/30$

$P(R \cap U_2) = P(R|U_2) * P(U_2) = 2/3 * 3/5 = 2/5$

$P(V \cap U_2) = P(V|U_2) * P(U_2) = 2/3 * 1/5 = 2/15$

$P(N \cap U_2) = P(N|U_2) * P(U_2) = 2/3 * 1/5 = 2/15$

ⓐ. $P(R) = P(R \cap U_1) + P(R \cap U_2) = 1/10 + 4/10 = 5/10 = 1/2$

ⓑ $P(N) = P(N \cap U_1) + P(N \cap U_2) = 2/15 + 1/30 = 5/30 = 1/6$

ⓒ $P(U_1|N) = \frac{P(N \cap U_1)}{P(N)} = \frac{(1/30)}{(1/6)} = 1/5$

ⓓ $P(U_2|R) = \frac{P(R \cap U_2)}{P(R)} = \frac{(2/5)}{1/2} = \frac{4}{5}$