1)
$$P(A|B) = \frac{3}{5} = 0,4$$
 $P(A|B) = \frac{1}{10} = 0,1$
 $P(B|A) = \frac{3}{3} = 0,6 = 0$
 $P(A|B) = \frac{P(B|A) \cdot P(A)}{P(B)} = P(A) = \frac{0,4}{0,6} = \frac{2}{3} \cdot P(B)$
 $P(A \cap B) = \frac{P(B|A) \cdot P(A)}{P(B)} = \frac{P(B|A)}{P(B)}$
 $P(A) = P(B) \cdot P(B|A) + P(B) \cdot P(B|A)$
 $P(A|B) = \frac{P(B|A) \cdot P(A)}{P(B)} = \frac{1}{4}P(B)$
 $P(A) = \frac{0,1 \cdot P(B)}{0,4} = \frac{1}{4}P(B)$
 $P(A) = \frac{2}{3} \cdot \frac{2}{11} = \frac{2}{11}$
 $P(A) = \frac{2}{3} \cdot \frac{2}{11} = \frac{2}{11}$
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 $P(A) = \frac{2}{3} \cdot \frac{2}{11} = \frac{2}{11}$

3)
$$\frac{2}{2} + 2^{6} - 2^{4} = 64 + 64 - 16 = 128 - 16 = 112$$

4)
$$P(H_1) = \frac{3}{4} = 0,75$$
 prior Brasov
 $P(H_2) = 0,25$ prior Craiova

$$P(A_{+} | H_{1}) = \frac{1}{3} = 9.33 \quad , \quad A_{+} \text{ blocat}$$

$$P(A_{+} | H_{2}) = \frac{1}{4} = 0.25$$

$$P(H_{1} | A_{-}) = \frac{8H_{1} \cdot P(A_{-} | H_{1})}{P(H_{1}) \cdot P(A_{-} | H_{1}) + P(H_{2}) \cdot P(A_{-} | H_{2})} = \frac{8}{5} \frac{1}{4} \cdot \frac{3}{4} = \frac{8}{16} + \frac{3}{16} = \frac{8}{11}$$

$$\rho = \frac{m}{m} - \frac{f}{\rho} v.$$

$$m = 2^4 = 16$$

$$m = C_4^2 = 6$$

$$- \frac{g}{6} = \frac{3}{8}$$

7) P(H1)=0,8

9)
$$P(H_1) = 0.6$$
 $H_1 - valuational i minute ste timba$

P (M2) = 0,8

10)
$$P(R_{A}) = 0,45$$
 $P(A_{A}) = 0,25$
 $P(R_{A}) = 0,6$ $P(A_{A}) = 0,4$

$$P(R_0) = 0,45$$
 $P(R_0) = 0,55$

$$P(A) = P(H_1) \cdot P(H_1|A_1) + P(H_2) \cdot P(H_2|A_2) + P(H_3) \cdot P(H_3|A_3) =$$

$$= \frac{1}{3}(0, 35+0, 4+0, 55) = \frac{1}{3} = 0,4$$