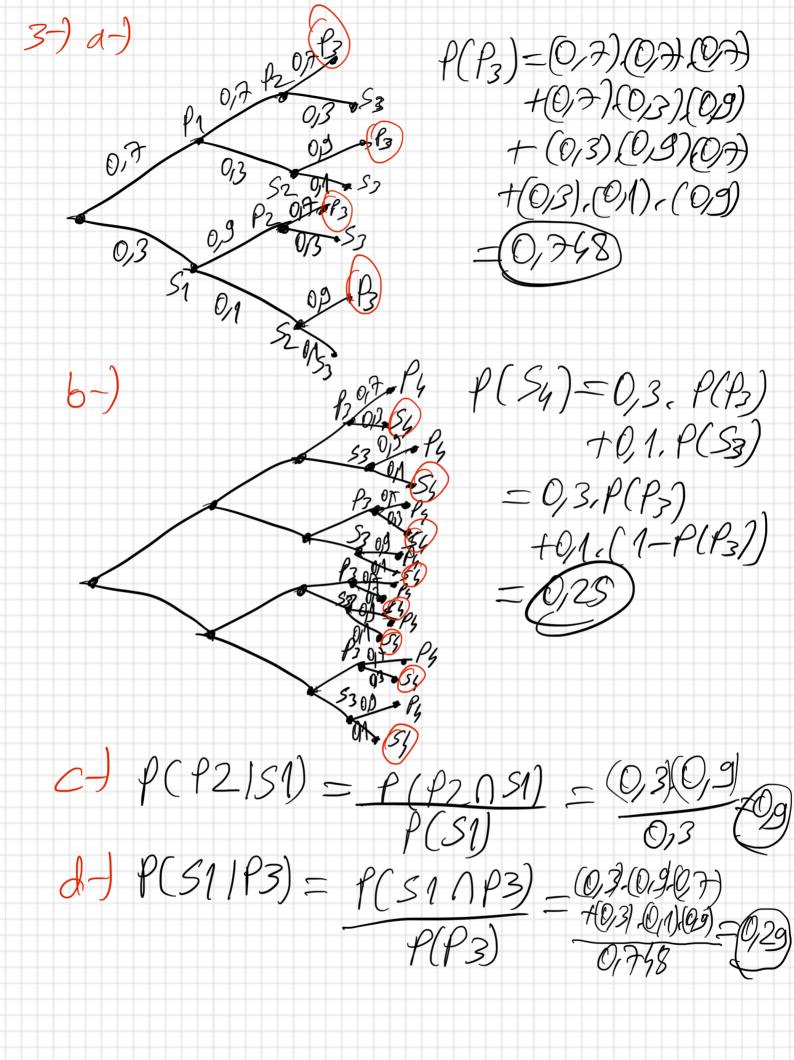
HW1-5015 1-) a-) PCA3 = 4, 4, 4 = (2,186) b) PEB3 = 4, 4, 4 = (2,186) C-) PEBIA3 = PEBNA) = P(3CXES) $\frac{1}{13} = \frac{1}{0.0156} = \frac{13}{0.186}$ $C^{c} = \begin{cases} (1,1,1), \\ (0,1,2), (1,2,1), (2,4,1), \\ (1,2,2), (2,1,2), (2,2,1) \\ (1,1,3), (1,3,1), (3,1,1) \end{cases}$ PCC]=10=0,0291 PCC)=1+C+0,971 e-) p(c(D)=p(c(D)=0)

2) a)
$$P(S) = P(A) \cdot (P(B), P(C) + P(D) - P(B), P(C) \cdot P(B) \cdot P(C) \cdot P($$



4-) a-)
$$f(p) = \frac{1}{5} \cdot \frac{1}{2p} \cdot \frac{2}{4p} = \frac{1}{5} \cdot \frac{1}{5} \cdot \frac{1}{2p} \cdot \frac{1}{2p}$$

$$f(p) = \frac{1}{5} \cdot \frac{1}{2p} \cdot \frac{2}{4p} = \frac{1}{2p} \cdot \frac$$

 $\int_{-\infty}^{+\infty} \frac{1}{x} \int_{-\infty}^{+\infty} \frac{1}{x} dx = 1$ $= \int_{0}^{1} \left(\frac{1-x}{3} \right)^{3} = \int_{0}^{1} \frac{1-x}{3} = \int_{0}^{1} \frac{1-x}{3}$ $= \frac{1}{2} \left(\frac{x^2 - 1}{5} x^3 + \frac{x^4 - x^5}{5} \right) = \frac{1}{60} = 1$ $F(x) = 55 60xy^2dydx = 520x.(1+x)^5$ $10x^2 - 20x^3 + 15x^4 - 4x^5$ $f(x) = \frac{1}{4\pi} f(x) + \frac{20x - 60x^2 + 60x^3 - 20x^6}{4\pi}$

 $= \frac{8y^{3}|_{3}^{3}}{8y^{3}|_{96}} = \frac{0,3}{1,73} = 0.171) = \frac{9^{-1}}{35} 60, (0.4), y^{2}, dy$ e-) P(X+Y=13) X+45-1 - 7 02xc1 - 2 1 - x = 4 = 1-x? - 2 1 - x = 4 = 1-x? - 2 1 - x = 4 = 1-x? - 2 1 - x = 4 = 1-x? - 2 1 - x = 4 = 1-x? - 2 1 - x = 4 = 1-x? - 2 1 - x = 4 = 1-x? - 2 1 - x = 4 = 1-x? - 2 1 - x = 4 = 1-x? - 3 1 - x = 4 = 1-x? - 3 1 - x = 4 = 1-x? - 3 1 - x = 4 = 1-x? - 3 1 - x = 4 = 1-x? - 3 1 - x = 4 = 1-x? - 3 1 - x = 4 = 1-x? - 3 1 - x = 4 = 1-x? - 3 1 - x = 4 = 1-x? - 3 1 - x = 1-x? $\frac{\sqrt{4} + x}{5^{3}} = 60xy^{2}dydx + 5560xy^{2}dydx = 130 + 172$ $\frac{7}{3} = 70,99$ $f = 5x (20x - 60x^{2} + 60x^{3} - 20x^{4}) - 1$