(1)
$$A_x = \{B, 5, m, a, A\}$$
 $8e_q = ram Aa Aa ran Aam 5B5B6m$
(2) $P(B) = 2/16$ $P(A) = 2/278$ $P(A) = 3/16$ $P(A) = 3/16$

C)
$$P(m|m) = 1/4$$
 $P(A|m) = 1/2 = 2/4$
 $P(a|A) = 1/2 = 3/3 = 1$
 $P(A|a) = 1/3$
 $P(m|a) = 1/3$
 $P(m|a) = 1/4$

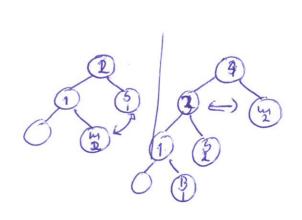
$$H(B) = 0$$

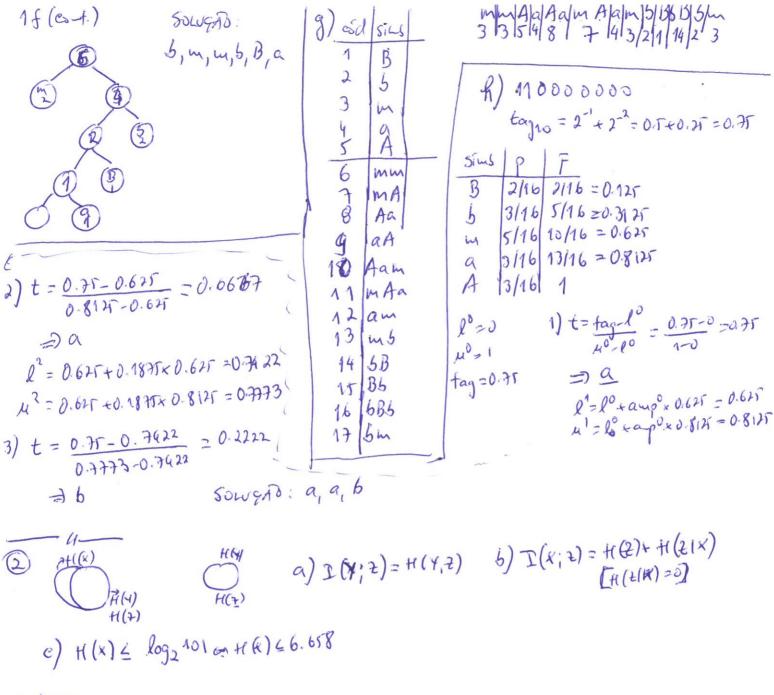
 $H(5) = H(\frac{1}{3}/\frac{2}{3}) = 0.918$
 $H(w) = H(\frac{1}{4}, \frac{1}{4}, \frac{2}{4}) = 1.5$
 $H(a) = H(\frac{1}{3}, \frac{2}{3}) = 0.918$

$$H(x) = \frac{2}{6} e^{0} + \frac{3}{16} e^{0.918} + \frac{3}{$$

2)
$$|S_1| = |S_1| = |$$

$$\overline{L} = 2 \times \frac{5}{6} + \frac{3}{2} \times \frac{3}{6} + \frac{2}{16} \times \frac{3}{6} + \frac{3}{16} \times \frac{3}{16} = \frac{3}{16} \times \frac{3}{13} \times \frac{3}{16} = \frac{3}{16} \times \frac{3}{16} \frac{$$





3 Redundância E [0, 1]
obij. dekjáv

Idep =) R=0 I(x,1) 20 → R20

a) c=136 =1 m=? m=cd mod n @ m=136 d mod 18871

l.d=1 mod a(h) es ed= 1 mod 18592 es Geld=1+ kn es ed+ kn=1 es es 2479 d+18592 n=1

Fa (bout.) A.E. mdc (18592, 2479)=1?~ 2479d+18592K=1 $d_{0} = 0$ $d_{1} = 1$ $d_{2} = -q_{1}d_{1} + d_{0} = -7x1 + 0 = -7$ $d_{3} = -q_{2}d_{2} + d_{1} = -2x(-7) + 1 = 15$ $M = 136^{15} \text{ mod } 18PH = 170779$ $= 136^{8} \times 136^{4} \times 136^{2} \times 136 \text{ mod } 18PH$ $= 136^{9} \times 136^{9} \times 136 \times 136 \text{ mod } 18PH$ $= 136^{9} \times 136^{9} \times 136 \times 136 \times 136 \text{ mod } 18PH$ $= 136^{9} \times 136^{9} \times 136 \times 1$ do = 0 $136^{2} = 18496$ $136^{3} = 18496^{3} = 342,102,016 = 8728$ $136^{9} = 8528^{3} = 16821$ $368 = 8528^{3} = 16821$ $368 = 8528^{3} = 16821$ $368 = 8528^{3} = 16821$ $368 = 8528^{3} = 16821$ $368 = 8528^{3} = 16821$ $368 = 8528^{3} = 16821$ $368 = 8528^{3} = 16821$ $368 = 8528^{3} = 16821$ $368 = 8528^{3} = 16821$ $369 = 8528^{3} = 16821$ 369