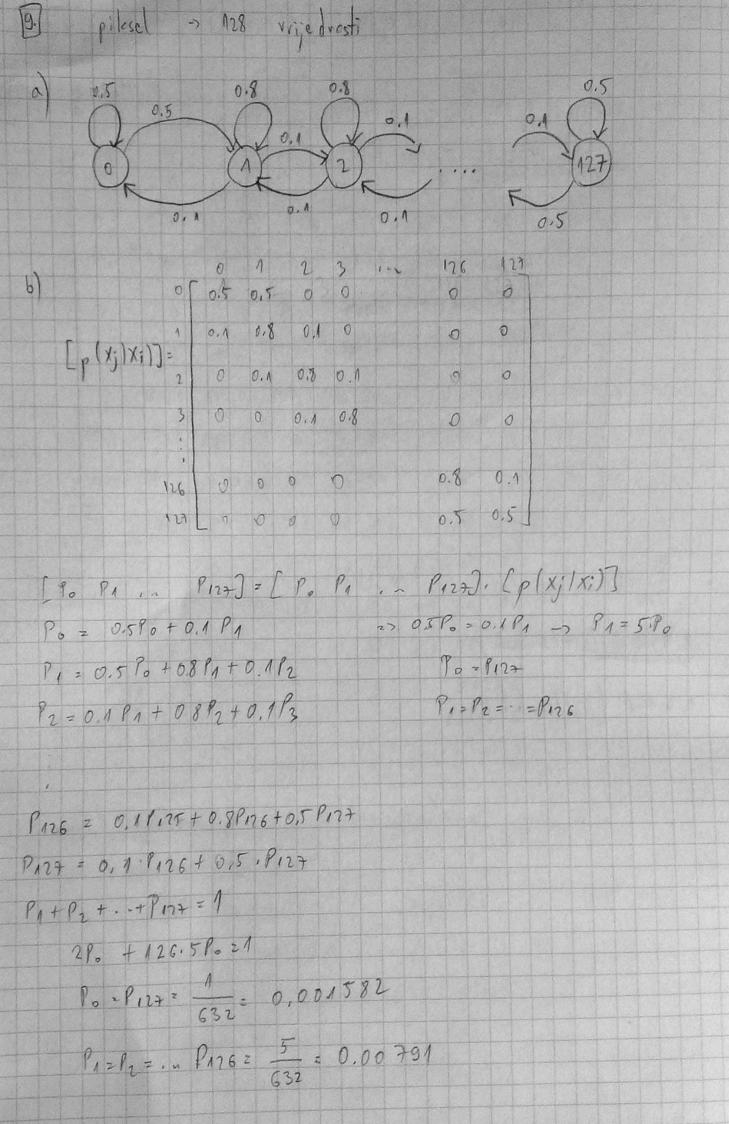


$$H'(x) = -\frac{x}{x} \sum_{j=1}^{n} \rho(x_{j}x_{j}) |_{x_{j}x_{j}} |_{x_{j}} |_{x_{$$



c) H(x)=? H'(x)=? H 1x) = - E p(x:) log p(xi) = 6.984 bit/cinhol H'(x) = - 2 & p(xi, xj) | v12 p(xj | xi) [p(xixj)]2 [0.5] 0.5 [32] 632 632 632 632 0 0 4 0.5 632 631 - 05 OST 632 H'(x)= 0.9:221 biffinal 640 × 480 10225 siles minimalmi leujacitet leanala =? (NEZNAMJELITOČAN OVAJ ZADATAK Vkupino pilesela = 640 x 480 x 25 = 7,68.10 6 pilesela Cz 7,68.106.09229 2 7.0817 Mbit/sul

L= 25,3,4,2,1,4} [2 d-l: s1 du bi kd bis prefilsni \(\frac{1}{2} \frac{1}{2} = \frac{1}{2} + \ Hod ne postoji 1= { 2, 4, 2, 3, 4, 2} Zd-li = 2+2+2+2+2+2+2+151 Kod postoji/ 00 81 110 19 3 1111 P6 1110 P.(xi)=? => L+H X= { x1, ..., x6} c) L = H(x) H(x)= 1 = E pix: 1. li = pr. la+pr. lz+p3. lz+p4. lu+p5. l+p6. lo = pa. 2 + p2. 2 + p3.2 + p4.3 + p5.4+ p6.4 P1+ P2+P3+P4+PT+P6 >1 H(x)z - 2 p(xi). logz p(xi) H(x)z - (p4. logz p4 + p2. logzpz + pz. logz p3 + p4. logz p4+ p5. logzp + p6 (og2 P6)

$$2 = -\log_{2} p_{1}$$

$$2 = -\log_{2} p_{2}$$

$$2 = -\log_{2} p_{1}$$

$$p_{1} = \frac{1}{q_{1}}$$

$$p_{2} = \frac{1}{q_{2}}$$

$$p_{3} = \frac{1}{q_{3}}$$

$$p_{4} = \frac{1}{q_{4}}$$

$$p_{5} = \frac{1}{16}$$

$$p_{7} = \frac{1}{16$$