```
(provo pogledat Aescuja A grupe)
 2009/2010 2-MI B
1 K=[7,4]
                      c=0010 abc
                       S = [000]
                       C.HT = [000]
                                          atc=1 -> | c=0
                          1+a+c=0
                         1 + b + c = 0 \qquad b + c = 1
a + b + c = 0 \qquad l \rightarrow a = 1
                             ODGOVOR: (D
(3.
                                            X3
                    X
                                                              ×4
        g(x)=x^{4}+x^{3}+1  n=15 3 = 11
       8 = 10101010110
        r(x)=(x10+x8+x6+x4+x2+X)-x4 mas g(x)
          My + x 12 + x 6 + x 6 + x 5 1 x 4 + x 3 + 1 = x 10 + x 9 + x 5 + x 2 + x + 1
(odmah
           245+X12+X8+X6+X5
duzman
1 pisem
               89+X8+X6+X8
 Samo
                  Xe
 sezultat
                  XS+X2
 willow 2
                  x3+x2+x+1 7 CRC=1111
 djelim)
```

(2)
$$B$$

$$G = \begin{bmatrix} 1000111 \\ 0100110 \\ 0001011 \end{bmatrix}$$

$$G^{*} = \begin{bmatrix} 1000110 \\ 01001101 \\ 00010111 \end{bmatrix}$$

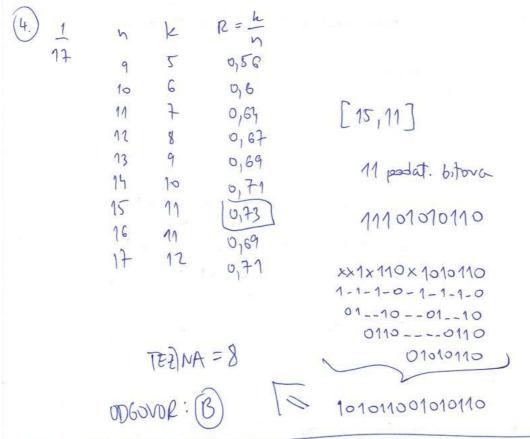
$$G^{*} = \begin{bmatrix} 1000111 \\ 0101011 \\ 00010111 \end{bmatrix}$$

$$G^{*} = \begin{bmatrix} 11A \end{bmatrix}$$

$$G^{$$

S= cHT = [1011]

ODEOVOR: (B)



(5)
$$H_{=}[15,11]$$
 $P-[12,11]$
 $ONJER = (15) m^{2}(1-m)^{15} + (15) m^{1}(1-m)^{14}$
 $(12) m^{2}(1-m)^{12}$

(6.)
$$H = \begin{cases} 1101001 \\ 000101 \\ 1011001 \end{cases} \quad p = 1110$$

$$1011001 \\ 0000011 \end{cases} \quad c = p \cdot H = [0111101]$$

$$0000001 \cdot B$$

$$H^{T} = \begin{bmatrix} 100 \\ 010 \\ 110 \\ 001 \\ 101 \end{bmatrix}$$
 $S = c \cdot H^{T} = [010]$
 $2.6t = pogresha$
 $[c = 110011] (poslano)$

$$p_{15p} = {6 \choose 0} p_{9}^{0} (1-p_{9})^{6} + {6 \choose 1} p_{9}^{1} (1-p_{8})^{5}$$

$$= (1-p_{8})^{5} (1+5p_{9}) = [0,9985]$$

(8)
$$K = \begin{cases} 0.000 \\ 1011 \\ 1110 \\ 0101 \end{cases}$$

$$G = \begin{bmatrix} 10.11 \\ 0101 \end{bmatrix}$$

$$H = \begin{bmatrix} A^T II \end{bmatrix} = \begin{bmatrix} 10.10 \\ 1101 \end{bmatrix}$$

$$K^{\perp} = \begin{bmatrix} 0.000 \\ 1010 \end{bmatrix}$$

$$M = \begin{bmatrix} A^T II \end{bmatrix} = \begin{bmatrix} 10.10 \\ 1101 \end{bmatrix}$$

$$M = \begin{bmatrix} 0.000 \\ 0.011 \end{bmatrix}$$

$$M = \begin{bmatrix} 0.000 \\ 0.000 \end{bmatrix}$$

$$M = \begin{bmatrix} 0.0$$

9
$$\begin{cases} 11101007 \\ 11010017 \\ 10100111 \\ 1001110 \\ 0011101 \\ 0111010 \end{cases}$$

$$G = \begin{cases} 1110100 \\ 0111010 \\ 0111010 \\ 0011101 \end{cases}$$

$$G = \begin{cases} 1110100 \\ 0111010 \\ 0011101 \end{cases}$$

$$G = \begin{cases} 0100111 \\ 0011101 \\ 0011101 \end{cases}$$

$$G = \begin{cases} 0100111 \\ 0011101 \\ 0011101 \\ 0011101 \end{cases}$$

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(10) 000000 - 111111 k = 6 v = 10 v

d=000/19 0060vor: (B

w