Detgri Yhlinie - Janus / Gentrat Krumigi 1919 9 4 73 9

a) d(11001011,0111001)=6 b) d(001110,111001) = 5 C) d(110011910;111000111)=4 d) d (1101,1101)=0 @[d(0101,1101)=1

f) d(111011101)=2

D (= dnov1, 0111, 1110, 1100,0000, 1010, 1111, 1100}

a) u(10011) = 2 , w(0111) = 3, w(1110) = 3), w(1100) = 2 W(0000)=0 , w (1010)=2, w(1171)=4, w(1100)=2

6/d(1001,0111)=3 d(1001,0000)=2 d (1001, nn 00) = Z d(0111,000) < 3 d (0111, 1100) = 3 d (1110, 1010)=1 d (1100,0000)= 2 d (1100, 1100)= 0 of (0000,1100)= 2 of (1117,1100)= 2

d(1001,1110)=3 d(1001,1100)=8 d(1001/1010)=2 d(1001, 1117)=2 d(0111,1110)=2 d(0111,1100)=3 0(10111, 1010)=3 d (0111,1111)=1 d (1110, 1100)=1 ol (mno, 0000)=3 6(1110,1140)=1 d (1110,1100)=1 d(1100;1010)=2 d (1100,1171)=2 d(0000, 9010) = 2 d(060),1111=9 d (9010, 1717)=2 d (1010,1100)2 C) (m,m,d) = (1,8,0)

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(5) a) (= d 1000, 0100, 1100, 0010)

1000+1000 = 6006(mod 2) & C

1000+0100 = 1100(mod 2) & C

1000+0010=1010(mod 2) & C
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6)  $C = \{1101000, 0110100, 1110070, 01011100, 1011100, 0000\}$ 

1101000+ 1101000=0000000(ned z) & C 1101000+ 1110000=1011100 (ned z) & C 1101000+ 11100010=00110 (ned z) & C 1101000+ 0101110=1000110 (ned z) & C 1101000+ 0011000=0110100 (med z) & C 1101000+ 0011000=1100100 (med z) & C 1101000+ 000000=1101000 (med z) & C

 $1110010+1110010=0000000(mod z) \in C$   $1110010+0101100=1011100(mod z) \in C$   $1110010+1011100=010110(mod z) \in C$   $1110010+101100=010110(mod z) \in C$   $1110010+6611010=0110100(mod z) \in C$   $1110010+1000100=0110100(mod z) \in C$   $1110010+10000000=1110100(mod z) \in C$   $1110010+0000000=1110100(mod z) \in C$ 

C) 
$$[101]$$
,  $[010]$ ,  $[222] = 0$ 
 $d \cdot [101] + B [010] + V[222] = 0$ 
 $1d \quad OB \quad Z \quad Y = 0 \quad d + 2 \cdot Y = 0$ 
 $1d \quad OB \quad 2 \quad Y = 0 \quad p + 2 \cdot Y = 0$ 
 $1d \quad OB \quad 2 \quad Y = 0 \quad 1 \cdot d + 2 \cdot Y = 0$ 
 $1d \quad OB \quad 2 \quad Y = 0 \quad 1 \cdot d + 2 \cdot Y = 0$ 

A+
$$D+E=0$$
 $B+E=0$ 
 $B+E=0$ 
 $B+B=0$ 
 $B+$ 

C) [111], [110], [011]  $d \cdot [111] + B[110] + S[011] = 0$   $1 + B \cdot 1 + 0 \cdot Y = 0$   $1 + B \cdot$