Data word aka Memory word

Add in parity bits to create a codeword Gaka redundant bits, check bits

0110

6.9

a Ssure preven parity

Codeword!

72101180

It takes a 9-bit codeword the 5 10 data bits of the data word.

3 = 2+1 1+1=9 6=4+2 8+

express data-bit positions as suns of powers of 2.

e pour - detection/correction reed to store 011001100 in order to have abiliNes for the data word

parity 229 3 0110 1111 00010 Manning collowed for the 1000 dutamond

evinolla Manning code words words: (clearly label the

-07

n & 1

-4210

2 1-

-210

8 |-

-08/~

2/0

- n 9 1 C

2001

-2210

1000

01000

16

-6

1000

~ 5 0

26/-

where? What was the original data word supposed to be? using even parity. Boss it contain errorces)? following Hamming Collwood was created

0001000101

Original data wood. bit 6 of the Codeword should

-4-

same question as blenson base

Collword (ever party):

10 | Original deta word

714