0 0000 -0	(a) 1/10/1/10 1/10 1/10/1/10/1/10/1/10/1/1
0001 - 1	change 1-1-1-1-1=6 1-1-1-1-6
0011-1	
0010-3	the distance in the code is 6°M
0710-4	(6) 111 11111
0111-5	© 00000000
0101-6	d) Using the formula
0100-1	m = ac + d + 1
1100-8	M=6 6= 2 = -d-1
11 0 1 - 9	various aptiens:
11.11 - 10	c=2 d:1
1110-11	- C=1 d=3
1010 - 12	- c=0 d=5
1011 - 13	
1000 -15	3) The code distance for gray code = 1
1000 13	m = 7
	inject into the termula!
The state of the s	1: 2c + d = 1
	0:9(rd
and when we shall see a sure of the control of the	from here we can see that it is not passible for it
	to detect any errorg
	To therefore it comput correct any problem
	lithu.
4 good luck!	9-1100111 1 SP9(R-0100001 K-1701011 1
•	0 - 110 1111 0 1 - 110 1100 0 1 - 0 1000 10 0
	0-1101111 0 U-1110101 1
no anni di manda anni anni anni anni anni anni anni	d - 1100 100 1 c - 1100011 0
And the second s	not we need is 212 = 409% -> 12 bits in order for y
	o in order for up to allow a correction of an error
	another 4 parity bits. 12 = 46 by at 16 thong a parity
2233	5 6 7 8 9 10 11 12 13 14 18 6 one more, 41-1:
Parity bit	
11.19	(number; that are to the power of 2)