

1) 29: 011101 +2 21: 010101 +2
-29: 100011 -21: 101011

-29-21:
$$\begin{array}{r} 100011 \\ 100011 \\ \hline 101011 + \\ \hline 001110 \end{array}$$
 جواب: 001110

29+21:
$$\begin{array}{r} 011101 \\ 011101 \\ 010101 + \\ \hline 0110010 \end{array}$$
 جواب: 0110010

2) BIN 11001001

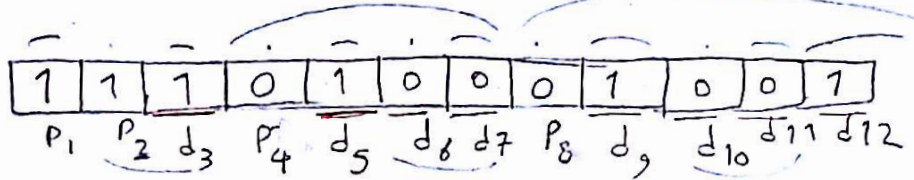
gray → 10101101

ب) 11001001
BIN → 10001110

+2 -2 because there is no solution

+2 -2 because there is no solution

3) 11001001



- ? , 1 , 1 , 0 , 1 , 0 → 1
- ? , 1 , 0 , 0 , 0 , 0 → 1
- ? , 1 , 0 , 0 , 1 → 0
- ? , 1 , 0 , 0 , 1

+8

111010001001

4) (47 34 06 . 12234)₈ = (?)₁₆

(100 111 011 100 000 110 . 001 010 010 011 100)₂

(2 7 7 0 6 . 2 9 3 8)₁₆

+7

5) 101111001101
p1 p2 d3 p4 d5 d6 d7 p8 d9 d10 d11 d12

اصلاح شده 111111011101

- ? , 1 , 1 , 0 , 1 , 0 ✓
- 0 , 1 , 1 , 0 , 1 , 0 × → p2 = 1
- ? , 1 , 1 , 0 , 1 p4 = 1 ✓
- ? , 1 , 1 , 0 , 1 × → p8 = 1

داره اصلی 11101101

-8