

SUBJECT:

DATE: / /

الف

$$(29)_{10} = (011101)_2$$

$$(-29)_{10} = (100011)_2 \quad +2$$

$$(21)_{10} = (010101)_2$$

$$(-21)_{10} = (101011)_2 \quad +2$$

$$+1 \quad \text{Overflow} \quad \begin{array}{r} 011101 \\ + 010101 \\ \hline 0110010 \end{array}$$

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

$$\text{جواب} : 0110010$$

+4

+1

Overflow

$$-29 + (-21) = \begin{array}{r} 100011 \\ + 101011 \\ \hline 001110 \end{array}$$

$$\text{جواب} : 1001110$$

+4

~~(11001001) Gray~~

-2 because there is no solution

→ (10001110) Bin

+2

(11001001) Bin

→ (10101101) Gray

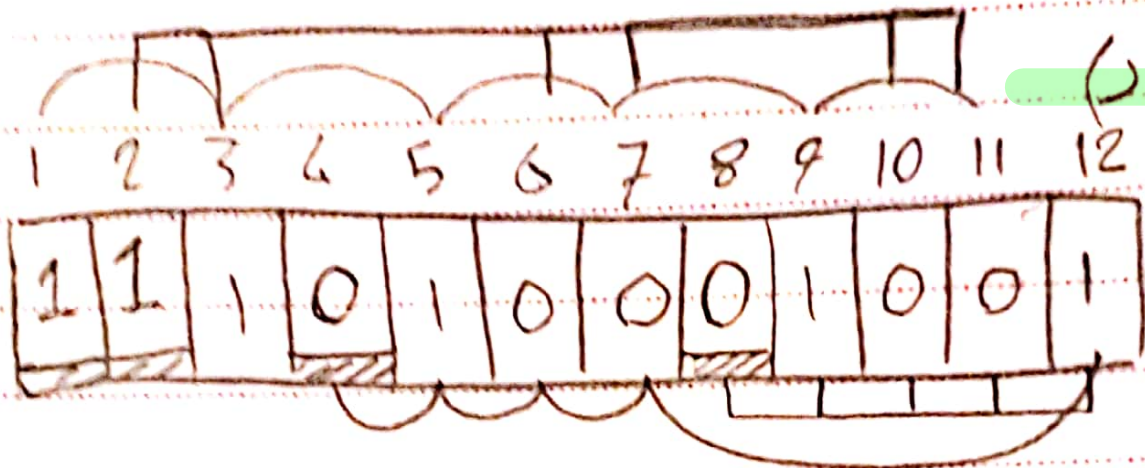
-2 because there is no solution

+2

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+8

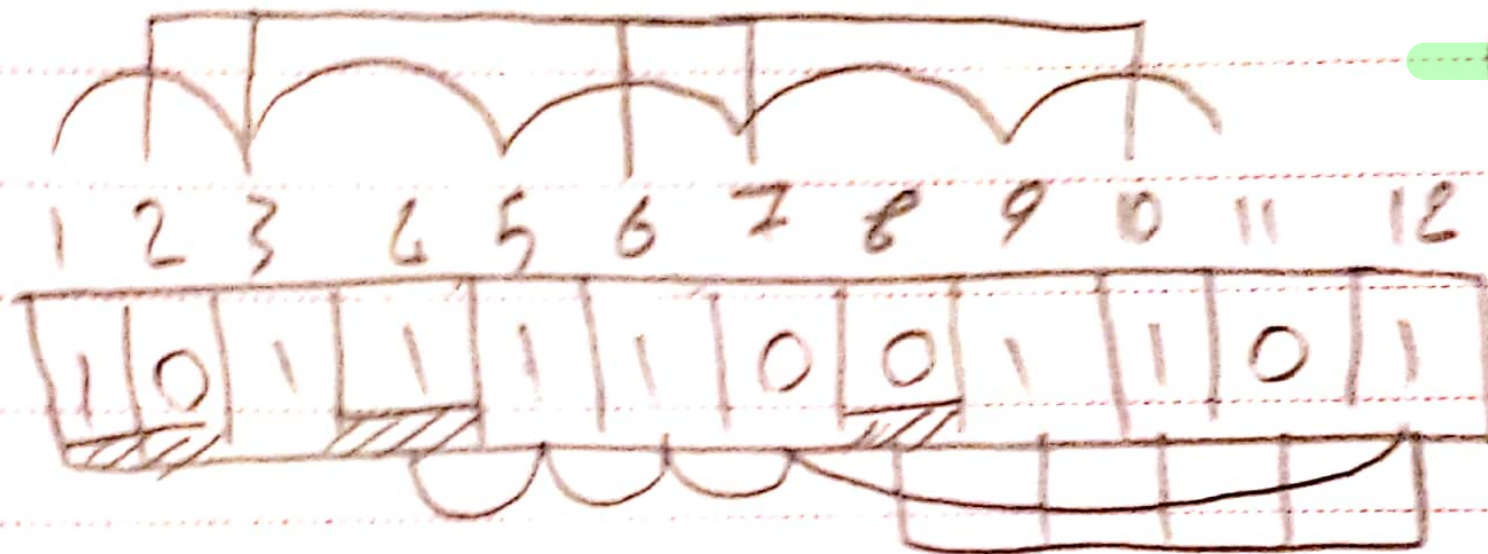
$(473406.12234)_8$

$(28)_2 = \overbrace{00100}^{111} \overbrace{011}^{100} \overbrace{000}^{110}$

$\cdot \overbrace{001}^{010} \overbrace{010}^{011} \overbrace{011}^{1000}_2$

$= (27706.2938)_{16}$

+7



دارد دهم ابرار دارد $(1010)_2 = (10)_{10}$

جواب صحیح: $(11101001)_2$