

محمد علی رسولی

(بسمه تعالی)

۹۹۸۶۳۱۴ = له وانبجوي

$$(29)_1 \rightarrow (111.1)_2 \quad \text{الف}$$

$$(21)_1 \rightarrow (1.1.1.1)_2$$

$$21 + 29 \rightarrow$$

$$+4 \rightarrow \text{سر زير دارد} +1$$

$$(111.1)_2 \xrightarrow{\text{مهم}} (\dots 11)_2 = (-29) \quad -2$$

$$(1.1.1.1)_2 \xrightarrow{''} (\dots 11)_2 = (-21) \quad -2$$

$$.111.0 \rightarrow \text{سر زير ندارد} -1$$

-4
-2 because there is no solution

$$\text{عده کتری} \rightarrow 11 \dots 1.1 \xrightarrow{\text{عده يائری}} (1 \dots 111.1) \quad +2 \quad \text{ب.م}$$

$$\text{عده یغیری} \rightarrow 11 \dots 1.1 \xrightarrow{\text{عده کتری}} (1.1.1.1.1.1) \quad +2 \quad \text{ج.م}$$

-2 because there is no solution

$$P_1, P_2, D_3, P_4, D_5, D_4, D_6, P_8, D_9, D_{10}, D_{11}, D_{12} \quad (>)$$

$$P_1 = D_3 \oplus D_5 \oplus D_6 \oplus D_{11} = 1 \oplus 1 \oplus 0 \oplus 1 \oplus 0 = 1$$

$$P_2 = D_3 \oplus D_4 \oplus D_6 \oplus D_{10} \oplus D_{11} = 1$$

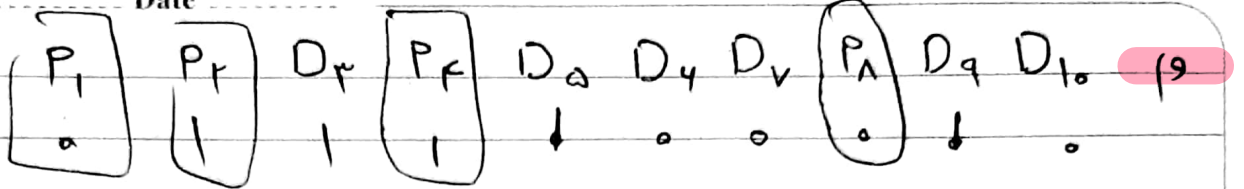
$$P_4 = D_5 \oplus D_4 \oplus D_6 \oplus D_{12} = 0 \quad +8$$

$$P_8 = D_4 \oplus D_{10} \oplus D_{11} \oplus D_{12} = 0$$

$$\Rightarrow 111.1.0.0.1.0.1$$

Subject

Date



D11 D12

0 1

-8

$$P_1 = 1 \oplus 1 \oplus 0 \oplus 1 \oplus 0 = 1 \quad X$$

$$P_r = 1 \oplus 0 \oplus 0 \oplus 0 \oplus 0 = 1 \quad \checkmark$$

$$P_E = 1 \oplus 0 \oplus 0 \oplus 1 = 0 \quad X$$

$$P_A = 1 \oplus 0 \oplus 0 \oplus 1 = 0 \quad \checkmark$$

place of change : 5

طبق سوال قبل