فایل توضیحات تکلیف دوم از مدارمنطقی

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تمرین اول :

|  |  |  |  |
| --- | --- | --- | --- |
| a | b | c | d |
| 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 1 |
| 0 | 0 | 1 | 0 |
| 0 | 0 | 1 | 1 |
| 0 | 1 | 0 | 0 |
| 0 | 1 | 0 | 1 |
| 0 | 1 | 1 | 0 |

|  |  |  |  |
| --- | --- | --- | --- |
| x | y | z | J |
| 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 1 |
| 0 | 0 | 1 | 1 |
| 0 | 0 | 1 | 0 |
| 0 | 1 | 1 | 0 |
| 0 | 1 | 1 | 1 |
| 0 | 1 | 0 | 1 |

X=a

Y=a b’+b a’

Z=b c’+c b’

J=c d’+d c’

تمرین دوم:

|  |  |  |  |
| --- | --- | --- | --- |
| a | b | c | d |
| 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 1 |
| 0 | 0 | 1 | 0 |
| 0 | 0 | 1 | 1 |
| 0 | 1 | 0 | 0 |
| 0 | 1 | 0 | 1 |
| 0 | 1 | 1 | 0 |

|  |  |  |  |
| --- | --- | --- | --- |
| x | y | z | J |
| 1 | 0 | 0 | 1 |
| 1 | 0 | 0 | 0 |
| 0 | 1 | 1 | 1 |
| 0 | 1 | 1 | 0 |
| 0 | 1 | 0 | 1 |
| 0 | 1 | 0 | 0 |
| 0 | 0 | 1 | 1 |

x= a’ b’ c’

y = c’b+c b’

z= c

j = d’