|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Зм****.*  ***Арк.***  ***№ докум.***  ***Підп.***  ***Дата***  ***Арк.***  ***5***  *4*  ***ІАЛЦ.463626.004 ПЗ*** |  | ***Q1*** | |  |  | ***T3*** |
| ***Q3*** | ***Q2*** | ***1*** | ***1*** | ***1*** | ***1*** |  |
| ***1*** | ***1*** | ***0*** | ***0*** | ***X1*** |
|  | ***0*** | ***0*** | ***0*** | ***0*** |
|  | ***0*** | ***0*** | ***0*** | ***0*** |  |
|  | ***Q2*** | ***1*** | ***1*** | ***0*** | ***1*** |  |
|  | ***1*** | ***1*** | ***0*** | ***1*** | ***X1*** |
|  |  | ***-*** | ***-*** | ***0*** | ***0*** |
|  |  | ***0*** | ***0*** | ***0*** | ***0*** |  |
|  |  |  | ***X2*** | |  |  |

***T3 = (Q̅2) (Q̅3Q̅1X2) (Q3Q2Q̅1X1)***

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  |  | ***Q1*** | |  |  | ***T2*** |
| ***Q3*** | ***Q2*** | ***1*** | ***1*** | ***1*** | ***1*** |  |
| ***1*** | ***1*** | ***0*** | ***0*** | ***X1*** |
|  | ***1*** | ***1*** | ***1*** | ***1*** |
|  | ***1*** | ***1*** | ***1*** | ***1*** |  |
|  | ***Q2*** | ***1*** | ***1*** | ***0*** | ***1*** |  |
|  | ***1*** | ***1*** | ***0*** | ***1*** | ***X1*** |
|  |  | ***-*** | ***-*** | ***1*** | ***1*** |
|  |  | ***0*** | ***0*** | ***0*** | ***0*** |  |
|  |  |  | ***X2*** | |  |  |

***T2 = (Q̅3Q2Q̅1X2) (Q3Q2Q̅1X1) (Q̅3Q̅2X̅1)***

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  | ***Q1*** | |  |  | ***T1*** |
|  | ***Q3*** | ***Q2*** | ***1*** | ***1*** | ***0*** | ***0*** |  |
|  | ***1*** | ***1*** | ***1*** | ***1*** | ***X1*** |
|  |  | ***1*** | ***1*** | ***0*** | ***0*** |
|  |  | ***1*** | ***1*** | ***0*** | ***0*** |  |
|  |  | ***Q2*** | ***1*** | ***1*** | ***1*** | ***1*** |  |
|  |  | ***1*** | ***1*** | ***1*** | ***1*** | ***X1*** |
|  |  |  | ***-*** | ***-*** | ***0*** | ***0*** |
|  |  |  | ***0*** | ***0*** | ***1*** | ***1*** |  |
|  |  |  |  | ***X2*** | |  |  |

***T1 = (Q̅3Q̅2Q1) (Q̅3Q̅2X1) (Q3Q2Q̅1X̅1) (Q3Q̅2Q̅1)***

***Зм****.*

***Арк.***

***№ докум.***

***Підп.***

***Дата***

***Арк.***

***6***

*4*

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|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  |  | ***Q2*** | |  |  | ***Y1*** |
|  | ***Q3*** | ***1*** | ***0*** | ***0*** | ***0*** |
|  | ***0*** | ***0*** | ***0*** | ***0*** |
|  |  |  | ***Q1*** | |

***Y1 = (Q1) (Q̅3) (Q̅2)***

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  |  | ***Q2*** | |  |  | ***Y2*** |
|  | ***Q3*** | ***0*** | ***1*** | ***0*** | ***0*** |
|  | ***1*** | ***0*** | ***1*** | ***0*** |
|  |  |  | ***Q1*** | |

***Y2 = (Q̅2Q̅1) (Q3Q̅2) (Q3Q2Q̅1) (Q̅3Q2Q1)***

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  |  | ***Q2*** | |  |  | ***Y3*** |
|  | ***Q3*** | ***0*** | ***0*** | ***1*** | ***0*** |
|  | ***0*** | ***0*** | ***0*** | ***0*** |
|  |  |  | ***Q1*** | |

***Y3 = (Q̅3) (Q2) (Q̅1)***

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  |  | ***Q2*** | |  |  | ***Y4*** |
|  | ***Q3*** | ***0*** | ***0*** | ***0*** | ***1*** |
|  | ***0*** | ***1*** | ***0*** | ***0*** |
|  |  |  | ***Q1*** | |

***Y4 = (Q2Q̅1) (Q3Q1) (Q̅3Q̅2)***

***2.6. Побудова схеми автомата в заданому базисі***

***Отриманих після мінімізації даних достатньо для побудови***

***комбінаційних схем функцій збудження тригерів і функцій сигналів***

***виходів, таким чином, і всієї комбінаційної схеми. Автомат будуємо на***

***Т-тригерах. Автомат є синхронним, так як його роботу синхронізує***

***генератор, а Т-тригер керований перепадом сигналу.***