|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Зм****.*  ***Арк.***  ***№ докум.***  ***Підп.***  ***Дата***  ***Арк.***  ***5***  *4*  ***ІАЛЦ.463626.004 ПЗ*** |  | ***Q1*** | |  |  | ***Y1*** |
| ***Q3*** | ***Q2*** | ***0*** | ***0*** | ***0*** | ***0*** |  |
| ***0*** | ***0*** | ***0*** | ***0*** | ***X1*** |
|  | ***1*** | ***1*** | ***0*** | ***0*** |
|  | ***1*** | ***1*** | ***0*** | ***0*** |  |
|  | ***Q2*** | ***0*** | ***0*** | ***0*** | ***0*** |  |
|  | ***0*** | ***0*** | ***0*** | ***0*** | ***X1*** |
|  |  | ***0*** | ***0*** | ***1*** | ***0*** |
|  |  | ***0*** | ***0*** | ***1*** | ***0*** |  |
|  |  |  | ***X2*** | |  |  |

***Y1 = (Q̅1 X̅2) (Q2) (Q̅3 Q1) (Q3 Q̅1) (Q̅1 X̅2)***

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  |  | ***Q1*** | |  |  | ***Y2*** |
| ***Q3*** | ***Q2*** | ***0*** | ***0*** | ***0*** | ***0*** |  |
| ***1*** | ***1*** | ***0*** | ***0*** | ***X1*** |
|  | ***0*** | ***0*** | ***0*** | ***0*** |
|  | ***0*** | ***0*** | ***0*** | ***0*** |  |
|  | ***Q2*** | ***0*** | ***0*** | ***0*** | ***0*** |  |
|  | ***0*** | ***0*** | ***0*** | ***0*** | ***X1*** |
|  |  | ***0*** | ***0*** | ***1*** | ***0*** |
|  |  | ***0*** | ***0*** | ***1*** | ***0*** |  |
|  |  |  | ***X2*** | |  |  |

***Y2= (Q̅1 X̅2) (Q̅3 Q2) (Q̅3 Q1) (Q3 Q̅1) (Q3 Q̅2) (Q2 X̅1)***

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  | ***Q1*** | |  |  | ***Y3*** |
|  | ***Q3*** | ***Q2*** | ***0*** | ***0*** | ***1*** | ***1*** |  |
|  | ***0*** | ***0*** | ***1*** | ***1*** | ***X1*** |
|  |  | ***1*** | ***1*** | ***1*** | ***1*** |
|  |  | ***1*** | ***1*** | ***1*** | ***1*** |  |
|  |  | ***Q2*** | ***1*** | ***0*** | ***0*** | ***0*** |  |
|  |  | ***1*** | ***0*** | ***0*** | ***0*** | ***X1*** |
|  |  |  | ***1*** | ***1*** | ***0*** | ***1*** |
|  |  |  | ***1*** | ***1*** | ***0*** | ***1*** |  |
|  |  |  |  | ***X2*** | |  |  |

***Y3= (Q3 Q2 Q1) (Q̅3 Q̅1 X2) (Q̅3 Q2 X2) (Q̅3 Q2 Q̅1 )***

***Зм****.*

***Арк.***

***№ докум.***

***Підп.***

***Дата***

***Арк.***

***6***

*4*

***ІАЛЦ.463626.004 ПЗ***

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  |  | ***Q1*** | |  |  | ***Y4,5*** |
| ***Q3*** | ***Q2*** | ***0*** | ***0*** | ***0*** | ***0*** |  |
| ***0*** | ***0*** | ***0*** | ***0*** | ***X1*** |
|  | ***0*** | ***0*** | ***0*** | ***0*** |
|  | ***0*** | ***0*** | ***0*** | ***0*** |  |
|  | ***Q2*** | ***0*** | ***0*** | ***1*** | ***1*** |  |
|  | ***0*** | ***0*** | ***1*** | ***1*** | ***X1*** |
|  |  | ***0*** | ***0*** | ***0*** | ***0*** |
|  |  | ***0*** | ***0*** | ***0*** | ***0*** |  |
|  |  |  | ***X2*** | |  |  |

***Y4,5= (Q3) (Q̅2) (Q1)***

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

***T1= (Q̅3 Q̅2 Q̅1 X2)***

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Зм****.*  ***Арк.***  ***№ докум.***  ***Підп.***  ***Дата***  ***Арк.***  ***7***  *4*  ***ІАЛЦ.463626.004 ПЗ*** |  | ***Q1*** | |  |  | ***T2*** |
| ***Q3*** | ***Q2*** | ***1*** | ***1*** | ***0*** | ***0*** |  |
| ***1*** | ***1*** | ***0*** | ***0*** | ***X1*** |
|  | ***1*** | ***1*** | ***0*** | ***0*** |
|  | ***1*** | ***1*** | ***0*** | ***0*** |  |
|  | ***Q2*** | ***1*** | ***0*** | ***0*** | ***0*** |  |
|  | ***1*** | ***0*** | ***0*** | ***0*** | ***X1*** |
|  |  | ***1*** | ***1*** | ***1*** | ***0*** |
|  |  | ***1*** | ***1*** | ***1*** | ***0*** |  |
|  |  |  | ***X2*** | |  |  |

***T2= (Q̅2 X̅2) (Q3 Q̅1) (Q̅3 Q2 X2)***

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  |  | ***Q1*** | |  |  | ***T3*** |
| ***Q3*** | ***Q2*** | ***1*** | ***1*** | ***0*** | ***0*** |  |
| ***1*** | ***1*** | ***0*** | ***0*** | ***X1*** |
|  | ***0*** | ***0*** | ***0*** | ***0*** |
|  | ***0*** | ***0*** | ***0*** | ***0*** |  |
|  | ***Q2*** | ***1*** | ***0*** | ***0*** | ***0*** |  |
|  | ***1*** | ***0*** | ***0*** | ***0*** | ***X1*** |
|  |  | ***0*** | ***0*** | ***0*** | ***0*** |
|  |  | ***0*** | ***0*** | ***0*** | ***0*** |  |
|  |  |  | ***X2*** | |  |  |

***T3= (Q̅1) (Q̅2) (Q̅3 X2)***

***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.***