LABORATORIUM 04

Realizacja układu sterowania dla wybranego procesu

**Zestaw nr:**

**Nazwisko i imię:**

**Grupa:**

*Uwaga sprawozdanie zapisz w pliku nazwisko\_lab04 i prześlij jako rozliczenie projektu w Classroom*

Tabela prawdy funkcji Z1, Z2, Z3, Z4

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **a** | **b** | **c** | **d** | **Z1** | **Z2** | **Z3** | **Z4** |
| 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 |  |  |  |  |
| 0 | 1 | 1 | 1 |  |  |  |  |
| 1 | 0 | 0 | 0 |  |  |  |  |
| 1 | 0 | 0 | 1 |  |  |  |  |
| 1 | 0 | 1 | 0 |  |  |  |  |
| 1 | 0 | 1 | 1 |  |  |  |  |
| 1 | 1 | 0 | 0 |  |  |  |  |
| 1 | 1 | 0 | 1 |  |  |  |  |
| 1 | 1 | 1 | 0 |  |  |  |  |
| 1 | 1 | 1 | 1 |  |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Tablica Karnaugha funkcji Z1

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **cd****ab** | **00** | **01** | **11** | **10** |
| **00** |  |  |  |  |
| **01** |  |  |  |  |
| **11** |  |  |  |  |
| **10** |  |  |  |  |

 | Tablica Karnaugha funkcji Z2

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **cd****ab** | **00** | **01** | **11** | **10** |
| **00** |  |  |  |  |
| **01** |  |  |  |  |
| **11** |  |  |  |  |
| **10** |  |  |  |  |

 |
| Minimalna postać funkcji Z1 | Minimalna postać funkcji Z2 |
| Tablica Karnaugha funkcji Z3

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **cd****ab** | **00** | **01** | **11** | **10** |
| **00** |  |  |  |  |
| **01** |  |  |  |  |
| **11** |  |  |  |  |
| **10** |  |  |  |  |

 | Tablica Karnaugha funkcji Z4

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **cd****ab** | **00** | **01** | **11** | **10** |
| **00** |  |  |  |  |
| **01** |  |  |  |  |
| **11** |  |  |  |  |
| **10** |  |  |  |  |

 |
| Minimalna postać funkcji Z3 | Minimalna postać funkcji Z4 |