**Modul 6**

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Percobaan 1

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | | AB | | | |
| 00 | 01 | 11 | 10 |
| CD | 00 | 0 | 0 | 0 | 0 |
| 01 | 1 | 1 | 1 | 0 |
| 11 | 0 | 1 | 1 | 1 |
| 10 | 0 | 0 | 0 | 0 |

Fungsi Boolean F = ACD + A’C’D + BD

Percobaan 2

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | | AB | | | |
| 00 | 01 | 11 | 10 |
| CD | 00 | 1 | 0 | 0 | 1 |
| 01 | 0 | 1 | 1 | 0 |
| 11 | 0 | 1 | 1 | 0 |
| 10 | 1 | 0 | 0 | 1 |

Fungsi Boolean :

F = BD + B’D’

F = BD’ + B’D

Percobaan 3

Fungsi Boolean F = XYZ + XYZ’ + XY’Z + X’YZ + X’YZ’ + XY’Z’ + X’Y’Z’

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | | XY | | | |
| 00 | 01 | 11 | 10 |
| Z | 0 | 1 | 1 | 1 | 1 |
| 1 | 0 | 1 | 1 | 0 |

Boolean F = Y + Z’

Percobaan 4

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | | AB | | | |
| 00 | 01 | 11 | 10 |
| CD | 00 | 0 | 1 | 0 | 1 |
| 01 | 0 | 0 | 1 | 0 |
| 11 | 0 | 1 | 0 | 0 |
| 10 | 0 | 0 | 1 | 1 |

Fungsi Boolean F = AB + A’B + ACD’ + C’D’

Percobaan 5

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | | AB | | | |
| 00 | 01 | 11 | 10 |
| CD | 00 | 1 | 0 | 1 | 0 |
| 01 | 1 | 0 | 1 | 1 |
| 11 | 1 | 1 | 0 | 0 |
| 10 | 1 | 0 | 0 | 1 |

Fungsi Boolean F = ABC’ + AC’D + A’CD + A’B + B’CD’