**Karnaugh Maps**

**Template:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | cd |  |  |  |  |
| ab |  | 00 | 01 | 11 | 10 |
|  | 00 | 0 | 0 | 1 | 1 |
|  | 01 | 1 | 1 | 0 | 1 |
|  | 11 | 1 | 1 | 1 | 1 |
|  | 10 | 1 | 1 | 1 | 1 |
|  | cd |  |  |  |  |
| ab |  | 00 | 01 | 11 | 10 |
|  | 00 | 1 | 0 | 0 | 0 |
|  | 01 | 1 | 1 | 0 | 1 |
|  | 11 | 1 | 1 | 1 | 1 |
|  | 10 | 1 | 1 | 1 | 1 |
|  | cd |  |  |  |  |
| ab |  | 00 | 01 | 11 | 10 |
|  | 00 | 1 | 0 | 1 | 1 |
|  | 01 | 0 | 1 | 1 | 1 |
|  | 11 | 1 | 1 | 1 | 1 |
|  | 10 | 1 | 1 | 1 | 1 |
|  | cd |  |  |  |  |
| ab |  | 00 | 01 | 11 | 10 |
|  | 00 | 1 | 1 | 1 | 1 |
|  | 01 | 1 | 0 | 1 | 0 |
|  | 11 | 1 | 1 | 1 | 1 |
|  | 10 | 1 | 1 | 1 | 1 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | cd |  |  |  |  |
| ab |  | 00 | 01 | 11 | 10 |
|  | 00 | 1 | 0 | 0 | 1 |
|  | 01 | 0 | 0 | 0 | 1 |
|  | 11 | 0 | 0 | 0 | 0 |
|  | 10 | 1 | 0 | 0 | 0 |
|  | cd |  |  |  |  |
| ab |  | 00 | 01 | 11 | 10 |
|  | 00 | 1 | 0 | 1 | 1 |
|  | 01 | 0 | 1 | 0 | 1 |
|  | 11 | 1 | 1 | 1 | 1 |
|  | 10 | 1 | 1 | 1 | 1 |
|  | cd |  |  |  |  |
| ab |  | 00 | 01 | 11 | 10 |
|  | 00 | 1 | 1 | 1 | 0 |
|  | 01 | 1 | 1 | 1 | 1 |
|  | 11 | 1 | 1 | 1 | 1 |
|  | 10 | 1 | 1 | 1 | 1 |