



Exercices d' AII

TRAVAIL DEMANDÉ

Rechercher les équations logiques d'après les tables de vérité ci-dessous :

$$X = \bar{e}v + e\bar{v} = e \oplus v$$

$$\bar{X} = \bar{e}\bar{v} + ev$$

$$T = \bar{a}ir + a\bar{i}\bar{r} + a\bar{i}r + air$$

$$Z = \bar{a}b\bar{x} + \bar{a}b\bar{x}$$

| e | v | X |
|---|---|---|
| 0 | 0 | 0 |
| 0 | 1 | 1 |
| 1 | 0 | 1 |
| 1 | 1 | 0 |

| a | i | r | T |
|---|---|---|---|
| 0 | 0 | 0 | 0 |
| 0 | 0 | 1 | 0 |
| 0 | 1 | 0 | 0 |
| 0 | 1 | 1 | 1 |
| 1 | 0 | 0 | 1 |
| 1 | 0 | 1 | 1 |
| 1 | 1 | 0 | 0 |
| 1 | 1 | 1 | 1 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| a | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 |
| b | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 1 |
| x | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 |
| Z | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |