

Sistemas Digitas - Mapa de Karnaugh

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Foto Exercício

The image shows four handwritten Karnaugh maps (K-maps) and their corresponding Boolean expressions on lined paper. Each K-map is a 2x2 grid with columns labeled A and B, and rows labeled S. The expressions are written to the right of each K-map.

First K-map:

A	B	S
0	0	0
0	1	1
1	0	1
1	1	1

$S = B + A$

Second K-map:

A	B	S
0	0	1
0	1	1
1	0	0
1	1	1

$S = \overline{A} + B$

Third K-map:

A	B	S
0	0	1
0	1	1
1	0	1
1	1	1

$S = 1$ (Sempre Verdadeiro)

Fourth K-map:

A	B	S
0	0	1
0	1	0
1	0	0
1	1	1

$S = \overline{A}B + AB$

At the bottom left of the page, the text "FORONI" is visible. At the bottom right, the text "We can do it!" is written in a cursive font.