



FICHE RAPPEL - FONCTIONS LOGIQUES



Fonction	Equation	Symbole logique	Schéma à contact	Table de vérité	Chronogramme															
NON	$S = \neg a$			<table border="1"> <tr><td>a</td><td>S</td></tr> <tr><td>0</td><td>1</td></tr> <tr><td>1</td><td>0</td></tr> </table>	a	S	0	1	1	0										
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ET	$S = a \cdot b$			<table border="1"> <tr><td>a</td><td>b</td><td>S</td></tr> <tr><td>0</td><td>0</td><td>0</td></tr> <tr><td>0</td><td>1</td><td>0</td></tr> <tr><td>1</td><td>0</td><td>0</td></tr> <tr><td>1</td><td>1</td><td>1</td></tr> </table>	a	b	S	0	0	0	0	1	0	1	0	0	1	1	1	
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OU	$S = a + b$			<table border="1"> <tr><td>a</td><td>b</td><td>S</td></tr> <tr><td>0</td><td>0</td><td>0</td></tr> <tr><td>0</td><td>1</td><td>1</td></tr> <tr><td>1</td><td>0</td><td>1</td></tr> <tr><td>1</td><td>1</td><td>1</td></tr> </table>	a	b	S	0	0	0	0	1	1	1	0	1	1	1	1	
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NAND	$S = \neg(a \cdot b)$			<table border="1"> <tr><td>a</td><td>b</td><td>S</td></tr> <tr><td>0</td><td>0</td><td>1</td></tr> <tr><td>0</td><td>1</td><td>1</td></tr> <tr><td>1</td><td>0</td><td>1</td></tr> <tr><td>1</td><td>1</td><td>0</td></tr> </table>	a	b	S	0	0	1	0	1	1	1	0	1	1	1	0	
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INHIBITION	$S = a \cdot \neg b$			<table border="1"> <tr><td>a</td><td>b</td><td>S</td></tr> <tr><td>0</td><td>0</td><td>0</td></tr> <tr><td>0</td><td>1</td><td>0</td></tr> <tr><td>1</td><td>0</td><td>1</td></tr> <tr><td>1</td><td>1</td><td>0</td></tr> </table>	a	b	S	0	0	0	0	1	0	1	0	1	1	1	0	
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