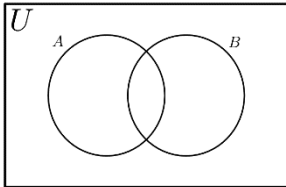

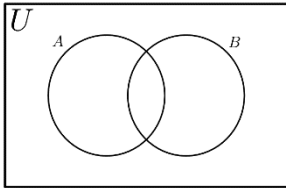

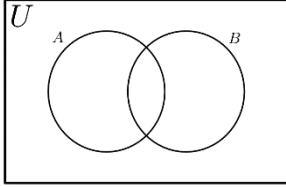

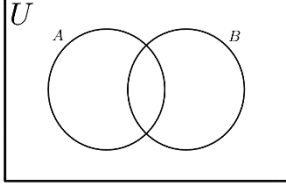

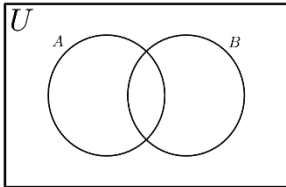

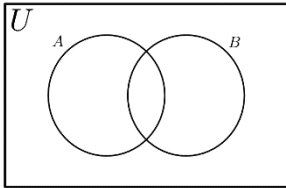

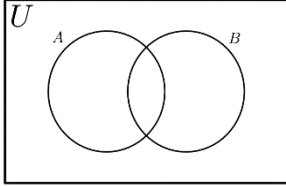

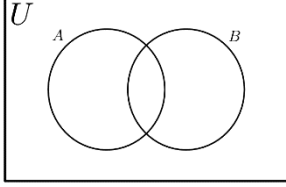



Tipo	Español	Notación Matemática	Álgebra Booleana	Conjuntos ⁵	Diagrama de Venn	Circuitos ⁶	Python	Tabla de Verdad															
NOT	Negación		\bar{P}					<table><tr><th>p</th><th>$\neg p$</th></tr><tr><td>T</td><td></td></tr><tr><td>F</td><td></td></tr></table>	p	$\neg p$	T		F										
p	$\neg p$																						
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F																							
AND	Conjunción		$P \cdot Q$					<table><tr><th>p</th><th>q</th><th>$p \wedge q$</th></tr><tr><td>T</td><td>T</td><td></td></tr><tr><td>T</td><td>F</td><td></td></tr><tr><td>F</td><td>T</td><td></td></tr><tr><td>F</td><td>F</td><td></td></tr></table>	p	q	$p \wedge q$	T	T		T	F		F	T		F	F	
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OR	Disyunción		$P + Q$					<table><tr><th>p</th><th>q</th><th>$p \vee q$</th></tr><tr><td>T</td><td>T</td><td></td></tr><tr><td>T</td><td>F</td><td></td></tr><tr><td>F</td><td>T</td><td></td></tr><tr><td>F</td><td>F</td><td></td></tr></table>	p	q	$p \vee q$	T	T		T	F		F	T		F	F	
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XOR	Disyunción exclusiva		$P \oplus Q$					<table><tr><th>p</th><th>q</th><th>$p \underline{\vee} q$</th></tr><tr><td>T</td><td>T</td><td></td></tr><tr><td>T</td><td>F</td><td></td></tr><tr><td>F</td><td>T</td><td></td></tr><tr><td>F</td><td>F</td><td></td></tr></table>	p	q	$p \underline{\vee} q$	T	T		T	F		F	T		F	F	
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⁵ Para los conjuntos y los diagramas de Venn, usaremos A y B, que es la notación usual en conjuntos.

⁶ Para esta hoja, usamos la Z para representar la salida de la puerta lógica.

Tipo	Español	Notación Matemática	Álgebra Booleana	Conjuntos ⁷	Diagrama de Venn	Circuitos ⁸	Python	Tabla de Verdad															
Buffer	Afirmación		P					<table><tr><th>p</th><th>p</th></tr><tr><td>T</td><td></td></tr><tr><td>F</td><td></td></tr></table>	p	p	T		F										
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F																							
NAND	-		$\overline{P \cdot Q}$					<table><tr><th>p</th><th>q</th><th>$p \uparrow q$</th></tr><tr><td>T</td><td>T</td><td></td></tr><tr><td>T</td><td>F</td><td></td></tr><tr><td>F</td><td>T</td><td></td></tr><tr><td>F</td><td>F</td><td></td></tr></table>	p	q	$p \uparrow q$	T	T		T	F		F	T		F	F	
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NOR	-		$\overline{P + Q}$					<table><tr><th>p</th><th>q</th><th>$p \downarrow q$</th></tr><tr><td>T</td><td>T</td><td></td></tr><tr><td>T</td><td>F</td><td></td></tr><tr><td>F</td><td>T</td><td></td></tr><tr><td>F</td><td>F</td><td></td></tr></table>	p	q	$p \downarrow q$	T	T		T	F		F	T		F	F	
p	q	$p \downarrow q$																					
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