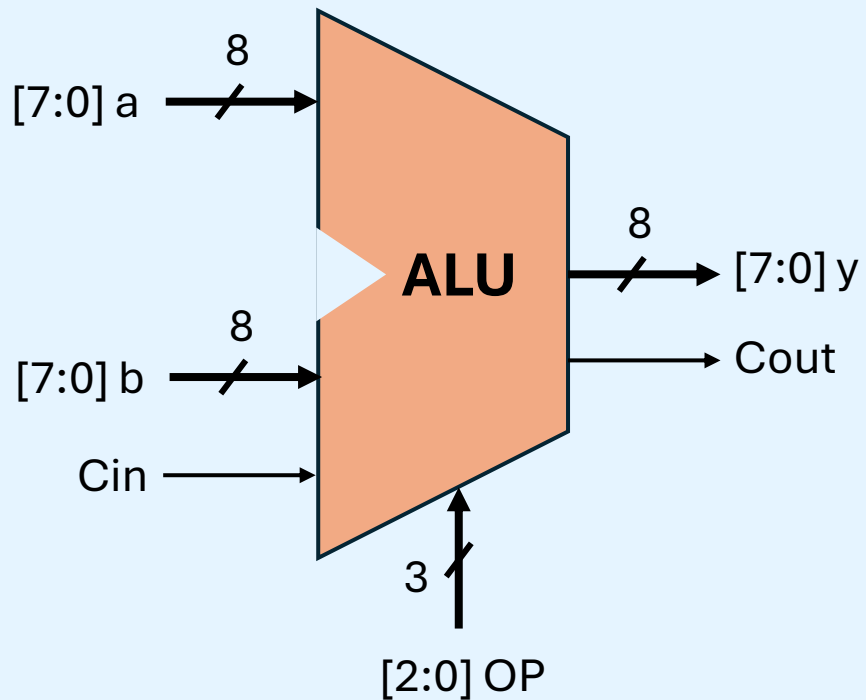


ALU



Operation	Code	Result	Explanation	Type
and	000	a and b	Bitwise and	Logic
or	001	a or b	Bitwise or	
comp	010	a'	Bitwise complement	
rrc	011	a[0]→Cout Cin→a[7] a[n]→a[n-1]	Rotate right with carry	
rlc	100	a[7]→Cout Cin→a[0] a[n]→a[n+1]	Rotate left with carry	Arithmetic
add	101	a + b + Cin	Addition with carry	
sub	110	a - b - Cin (borrow)	Subtraction with borrow	
move	111	b	Data pass through	Data transfer