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| Operación | S2 | S1 | S0 | A | A1 | A0 | B | B1 | B0 | CI | F | F1 | F0 | CO |
| A Or B | **0** | **0** | **0** | **-** | **0** | **0** | **-** | **0** | **0** | **X** | **-** | **0** | **0** | **X** |
| A Or B | **0** | **0** | **0** | **-** | **0** | **0** | **-** | **0** | **1** | **X** | **-** | **0** | **1** | **X** |
| A Or B | **0** | **0** | **0** | **-** | **0** | **0** | **-** | **1** | **0** | **X** | **-** | **1** | **0** | **X** |
| A Or B | **0** | **0** | **0** | **-** | **0** | **0** | **-** | **1** | **1** | **X** | **-** | **1** | **1** | **X** |
| A Or B | **0** | **0** | **0** | **-** | **0** | **1** | **-** | **0** | **0** | **X** | **-** | **0** | **1** | **X** |
| A Or B | **0** | **0** | **0** | **-** | **0** | **1** | **-** | **0** | **1** | **X** | **-** | **0** | **1** | **X** |
| A Or B | **0** | **0** | **0** | **-** | **0** | **1** | **-** | **1** | **0** | **X** | **-** | **1** | **1** | **X** |
| A Or B | **0** | **0** | **0** | **-** | **0** | **1** | **-** | **1** | **1** | **X** | **-** | **1** | **1** | **X** |
| A Or B | **0** | **0** | **0** | **-** | **1** | **0** | **-** | **0** | **0** | **X** | **-** | **1** | **0** | **X** |
| A Or B | **0** | **0** | **0** | **-** | **1** | **0** | **-** | **0** | **1** | **X** | **-** | **1** | **1** | **X** |
| A Or B | **0** | **0** | **0** | **-** | **1** | **0** | **-** | **1** | **0** | **X** | **-** | **1** | **1** | **X** |
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| A Or B | **0** | **0** | **0** | **-** | **1** | **1** | **-** | **0** | **1** | **X** | **-** | **1** | **1** | **X** |
| A Or B | **0** | **0** | **0** | **-** | **1** | **1** | **-** | **1** | **0** | **X** | **-** | **1** | **1** | **X** |
| A Or B | **0** | **0** | **0** | **-** | **1** | **1** | **-** | **1** | **1** | **X** | **-** | **1** | **1** | **X** |

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| Operación | S2 | S1 | S0 | A | A1 | A0 | B | B1 | B0 | CI | F | F1 | F0 | CO |
| A Nand B | **0** | **0** | **1** | **-** | **0** | **0** | **-** | **0** | **0** | **X** | **-** | **1** | **1** | **X** |
| A Nand B | **0** | **0** | **1** | **-** | **0** | **0** | **-** | **0** | **1** | **X** | **-** | **1** | **1** | **X** |
| A Nand B | **0** | **0** | **1** | **-** | **0** | **0** | **-** | **1** | **0** | **X** | **-** | **1** | **1** | **X** |
| A Nand B | **0** | **0** | **1** | **-** | **0** | **0** | **-** | **1** | **1** | **X** | **-** | **1** | **1** | **X** |
| A Nand B | **0** | **0** | **1** | **-** | **0** | **1** | **-** | **0** | **0** | **X** | **-** | **1** | **1** | **X** |
| A Nand B | **0** | **0** | **1** | **-** | **0** | **1** | **-** | **0** | **1** | **X** | **-** | **1** | **0** | **X** |
| A Nand B | **0** | **0** | **1** | **-** | **0** | **1** | **-** | **1** | **0** | **X** | **-** | **1** | **1** | **X** |
| A Nand B | **0** | **0** | **1** | **-** | **0** | **1** | **-** | **1** | **1** | **X** | **-** | **1** | **0** | **X** |
| A Nand B | **0** | **0** | **1** | **-** | **1** | **0** | **-** | **0** | **0** | **X** | **-** | **1** | **1** | **X** |
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| A Nand B | **0** | **0** | **1** | **-** | **1** | **1** | **-** | **0** | **1** | **X** | **-** | **1** | **0** | **X** |
| A Nand B | **0** | **0** | **1** | **-** | **1** | **1** | **-** | **1** | **0** | **X** | **-** | **0** | **1** | **X** |
| A Nand B | **0** | **0** | **1** | **-** | **1** | **1** | **-** | **1** | **1** | **X** | **-** | **0** | **0** | **X** |

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| Operación | S2 | S1 | S0 | A | A1 | A0 | B | B1 | B0 | CI | F | F1 | F0 | CO |
| Not A | **0** | **1** | **0** | **-** | **0** | **0** | **-** | **X** | **X** | **X** | **-** | **1** | **1** | **X** |
| Not A | **0** | **1** | **0** | **-** | **0** | **1** | **-** | **X** | **X** | **X** | **-** | **1** | **0** | **X** |
| Not A | **0** | **1** | **0** | **-** | **1** | **0** | **-** | **X** | **X** | **X** | **-** | **0** | **1** | **X** |
| Not A | **0** | **1** | **0** | **-** | **1** | **1** | **-** | **X** | **X** | **X** | **-** | **0** | **0** | **X** |

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| Operación | S2 | S1 | S0 | A | A1 | A0 | B | B1 | B0 | CI | F | F1 | F0 | CO |
| A Xor B | **0** | **1** | **1** | **-** | **0** | **0** | **-** | **0** | **0** | **X** | **-** | **0** | **0** | **X** |
| A Xor B | **0** | **1** | **1** | **-** | **0** | **0** | **-** | **0** | **1** | **X** | **-** | **0** | **1** | **X** |
| A Xor B | **0** | **1** | **1** | **-** | **0** | **0** | **-** | **1** | **0** | **X** | **-** | **1** | **0** | **X** |
| A Xor B | **0** | **1** | **1** | **-** | **0** | **0** | **-** | **1** | **1** | **X** | **-** | **1** | **1** | **X** |
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| A Xor B | **0** | **1** | **1** | **-** | **1** | **1** | **-** | **0** | **0** | **X** | **-** | **1** | **1** | **X** |
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| A Xor B | **0** | **0** | **1** | **-** | **1** | **1** | **-** | **1** | **1** | **X** | **-** | **0** | **0** | **X** |

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| Operación | S2 | S1 | S0 | A | A1 | A0 | B | B1 | B0 | CI | F | F1 | F0 | CO |
| A + B + CO | **1** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |
| A + B + CO | **1** | **0** | **0** | **0** | **0** | **0** | **1** | **0** | **1** | **0** | **1** | **0** | **1** | **0** |
| A + B + CO | **1** | **0** | **0** | **0** | **0** | **0** | **2** | **1** | **0** | **0** | **2** | **1** | **0** | **0** |
| A + B + CO | **1** | **0** | **0** | **0** | **0** | **0** | **3** | **1** | **1** | **0** | **3** | **1** | **1** | **0** |
| A + B + CO | **1** | **0** | **0** | **1** | **0** | **1** | **0** | **0** | **0** | **0** | **1** | **0** | **1** | **0** |
| A + B + CO | **1** | **0** | **0** | **1** | **0** | **1** | **1** | **0** | **1** | **0** | **2** | **1** | **0** | **0** |
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| A + B + CO | **1** | **0** | **0** | **2** | **1** | **0** | **0** | **0** | **0** | **0** | **2** | **1** | **0** | **0** |
| A + B + CO | **1** | **0** | **0** | **2** | **1** | **0** | **1** | **0** | **1** | **0** | **3** | **1** | **1** | **0** |
| A + B + CO | **1** | **0** | **0** | **2** | **1** | **0** | **2** | **1** | **0** | **0** | **4** | **0** | **0** | **1** |
| A + B + CO | **1** | **0** | **0** | **2** | **1** | **0** | **3** | **1** | **1** | **0** | **5** | **0** | **1** | **1** |
| A + B + CO | **1** | **0** | **0** | **3** | **1** | **1** | **0** | **0** | **0** | **0** | **3** | **1** | **1** | **0** |
| A + B + CO | **1** | **0** | **0** | **3** | **1** | **1** | **1** | **0** | **1** | **0** | **4** | **0** | **0** | **1** |
| A + B + CO | **1** | **0** | **0** | **3** | **1** | **1** | **2** | **1** | **0** | **0** | **5** | **0** | **1** | **1** |
| A + B + CO | **1** | **0** | **0** | **3** | **1** | **1** | **3** | **1** | **1** | **0** | **6** | **1** | **0** | **1** |
| A + B + CO | **1** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **1** | **0** | **1** | **0** |
| A + B + CO | **1** | **0** | **0** | **0** | **0** | **0** | **1** | **0** | **1** | **1** | **2** | **1** | **0** | **0** |
| A + B + CO | **1** | **0** | **0** | **0** | **0** | **0** | **2** | **1** | **0** | **1** | **3** | **1** | **1** | **0** |
| A + B + CO | **1** | **0** | **0** | **0** | **0** | **0** | **3** | **1** | **1** | **1** | **4** | **0** | **0** | **1** |
| A + B + CO | **1** | **0** | **0** | **1** | **0** | **1** | **0** | **0** | **0** | **1** | **2** | **1** | **0** | **0** |
| A + B + CO | **1** | **0** | **0** | **1** | **0** | **1** | **1** | **0** | **1** | **1** | **3** | **1** | **1** | **0** |
| A + B + CO | **1** | **0** | **0** | **1** | **0** | **1** | **2** | **1** | **0** | **1** | **4** | **0** | **0** | **1** |
| A + B + CO | **1** | **0** | **0** | **1** | **0** | **1** | **3** | **1** | **1** | **1** | **5** | **0** | **1** | **1** |
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| A + B + CO | **1** | **0** | **0** | **2** | **1** | **0** | **2** | **1** | **0** | **1** | **5** | **0** | **1** | **1** |
| A + B + CO | **1** | **0** | **0** | **2** | **1** | **0** | **3** | **1** | **1** | **1** | **6** | **1** | **0** | **1** |
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| A + B + CO | **1** | **0** | **0** | **3** | **1** | **1** | **1** | **0** | **1** | **1** | **5** | **0** | **1** | **1** |
| A + B + CO | **1** | **0** | **0** | **3** | **1** | **1** | **2** | **1** | **0** | **1** | **6** | **1** | **0** | **1** |
| A + B + CO | **1** | **0** | **0** | **3** | **1** | **1** | **3** | **1** | **1** | **1** | **7** | **1** | **1** | **1** |

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| Operación | S2 | S1 | S0 | A | A1 | A0 | B | B1 | B0 | CI | F | F1 | F0 | CO |
| A - B | **1** | **0** | **1** | **0** | **0** | **0** | **0** | **0** | **0** | **X** | **0** | **0** | **0** | **0** |
| A - B | **1** | **0** | **1** | **0** | **0** | **0** | **1** | **0** | **1** | **X** | **-1** | **1** | **1** | **1** |
| A - B | **1** | **0** | **1** | **0** | **0** | **0** | **2** | **1** | **0** | **X** | **-2** | **1** | **0** | **1** |
| A - B | **1** | **0** | **1** | **0** | **0** | **0** | **3** | **1** | **1** | **X** | **-3** | **0** | **1** | **1** |
| A - B | **1** | **0** | **1** | **1** | **0** | **1** | **0** | **0** | **0** | **X** | **1** | **0** | **1** | **0** |
| A - B | **1** | **0** | **1** | **1** | **0** | **1** | **1** | **0** | **1** | **X** | **0** | **0** | **0** | **0** |
| A - B | **1** | **0** | **1** | **1** | **0** | **1** | **2** | **1** | **0** | **X** | **-1** | **1** | **1** | **1** |
| A - B | **1** | **0** | **1** | **1** | **0** | **1** | **3** | **1** | **1** | **X** | **-2** | **1** | **0** | **1** |
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| A - B | **1** | **0** | **1** | **2** | **1** | **0** | **2** | **1** | **0** | **X** | **0** | **0** | **0** | **0** |
| A - B | **1** | **0** | **1** | **2** | **1** | **0** | **3** | **1** | **1** | **X** | **-1** | **1** | **1** | **1** |
| A - B | **1** | **0** | **1** | **3** | **1** | **1** | **0** | **0** | **0** | **X** | **3** | **1** | **1** | **0** |
| A - B | **1** | **0** | **1** | **3** | **1** | **1** | **1** | **0** | **1** | **X** | **2** | **1** | **0** | **0** |
| A - B | **1** | **0** | **1** | **3** | **1** | **1** | **2** | **1** | **0** | **X** | **1** | **0** | **1** | **0** |
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| Operación | S2 | S1 | S0 | A | A1 | A0 | B | B1 | B0 | CI | F | F1 | F0 | CO |
| A + 1 + CO | **1** | **1** | **0** | **0** | **0** | **0** | **-** | **X** | **X** | **0** | **1** | **0** | **1** | **0** |
| A + 1 + CO | **1** | **1** | **0** | **1** | **0** | **1** | **-** | **X** | **X** | **0** | **2** | **1** | **0** | **0** |
| A + 1 + CO | **1** | **1** | **0** | **2** | **1** | **0** | **-** | **X** | **X** | **0** | **3** | **1** | **1** | **0** |
| A + 1 + CO | **1** | **1** | **0** | **3** | **1** | **1** | **-** | **X** | **X** | **0** | **4** | **0** | **0** | **1** |
| A + 1 + CO | **1** | **1** | **0** | **0** | **0** | **0** | **-** | **X** | **X** | **1** | **2** | **1** | **0** | **0** |
| A + 1 + CO | **1** | **1** | **0** | **1** | **0** | **1** | **-** | **X** | **X** | **1** | **3** | **1** | **1** | **0** |
| A + 1 + CO | **1** | **1** | **0** | **2** | **1** | **0** | **-** | **X** | **X** | **1** | **4** | **0** | **0** | **1** |
| A + 1 + CO | **1** | **1** | **0** | **3** | **1** | **1** | **-** | **X** | **X** | **1** | **5** | **0** | **1** | **1** |

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| Operación | S2 | S1 | S0 | A | A1 | A0 | B | B1 | B0 | CI | F | F1 | F0 | CO |
| B - 1 | **1** | **1** | **1** | **-** | **X** | **X** | **0** | **0** | **0** | **X** | **-1** | **1** | **1** | **1** |
| B - 1 | **1** | **1** | **1** | **-** | **X** | **X** | **1** | **0** | **1** | **X** | **0** | **0** | **0** | **0** |
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| B - 1 | **1** | **1** | **1** | **-** | **X** | **X** | **3** | **1** | **1** | **X** | **2** | **1** | **0** | **0** |