**Actividad.** Elabora las tablas de verdad de las siguientes proposiciones.

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| --- |
| 1. ~(p ∨ ~ q) |
| |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | **p** | **q** |  |  |  |  |  | | **V** | **V** |  |  |  |  |  | | **V** | **F** |  |  |  |  |  | | **F** | **V** |  |  |  |  |  | | **F** | **F** |  |  |  |  |  | |

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| --- |
| 1. ~(p ∧ q) |
| |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | **p** | **q** |  |  |  |  |  | | **V** | **V** |  |  |  |  |  | | **V** | **F** |  |  |  |  |  | | **F** | **V** |  |  |  |  |  | | **F** | **F** |  |  |  |  |  | |

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| --- |
| 1. (~p ∧ q) |
| |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | **p** | **q** |  |  |  |  |  | | **V** | **V** |  |  |  |  |  | | **V** | **F** |  |  |  |  |  | | **F** | **V** |  |  |  |  |  | | **F** | **F** |  |  |  |  |  | |

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| 1. ~(p ⊃ ~ q) |
| |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | **p** | **q** |  |  |  |  |  | | **V** | **V** |  |  |  |  |  | | **V** | **F** |  |  |  |  |  | | **F** | **V** |  |  |  |  |  | | **F** | **F** |  |  |  |  |  | |

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| --- |
| 1. (p ∧ q) ⊃ p |
| |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | **p** | **q** |  |  |  |  |  | | **V** | **V** |  |  |  |  |  | | **V** | **F** |  |  |  |  |  | | **F** | **V** |  |  |  |  |  | | **F** | **F** |  |  |  |  |  | |

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| --- |
| 1. (p ∨ q) ≡ p |
| |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | **p** | **q** |  |  |  |  |  | | **V** | **V** |  |  |  |  |  | | **V** | **F** |  |  |  |  |  | | **F** | **V** |  |  |  |  |  | | **F** | **F** |  |  |  |  |  | |

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| --- |
| 1. ( p ∧ q ) ∨ p |
| |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | **p** | **q** |  |  |  |  |  | | **V** | **V** |  |  |  |  |  | | **V** | **F** |  |  |  |  |  | | **F** | **V** |  |  |  |  |  | | **F** | **F** |  |  |  |  |  | |

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| --- |
| 1. p ⊃ (p ∨ q) |
| |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | **p** | **q** |  |  |  |  |  | | **V** | **V** |  |  |  |  |  | | **V** | **F** |  |  |  |  |  | | **F** | **V** |  |  |  |  |  | | **F** | **F** |  |  |  |  |  | |

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| --- |
| 1. ~ (p ∧ ~ q) ∨ q |
| |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | **p** | **q** |  |  |  |  |  | | **V** | **V** |  |  |  |  |  | | **V** | **F** |  |  |  |  |  | | **F** | **V** |  |  |  |  |  | | **F** | **F** |  |  |  |  |  | |

|  |
| --- |
| 1. ~ (p ≡ ~ q) |
| |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | **p** | **q** |  |  |  |  |  | | **V** | **V** |  |  |  |  |  | | **V** | **F** |  |  |  |  |  | | **F** | **V** |  |  |  |  |  | | **F** | **F** |  |  |  |  |  | |