**C2**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| P | Q | (Q | ⭢ | P) |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

**D2**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| C | D | (D | ⭢ | C) |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

**D1**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| A | B | (A | ⭢ | B) |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

**C1**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| P | Q | (P | ⭢ | Q) |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

**D5**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| P | Q | ((P | ⭢ | Q) | ⭢ | (Q | ⭢ | P)) |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |

**D4**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| P | Q | ((P | ⭢ | Q | ⭢ | P)) |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

**D3**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| P | Q | ((P | ⭢ | Q | ⭢ | Q)) |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

**G2**

|  |  |  |
| --- | --- | --- |
| Q | ~ | Q |
|  |  |  |
|  |  |  |

**G1**

|  |  |  |
| --- | --- | --- |
| P | ~ | P |
|  |  |  |
|  |  |  |

**D6**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| P | Q | ((Q | ⭢ | P) | ⭢ | (P | ⭢ | Q)) |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |

**H3**

|  |  |  |  |
| --- | --- | --- | --- |
| P | ~ | ~ | P |
|  |  |  |  |
|  |  |  |  |

**H4**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| P | Q | ~ | (P | ⭢ | Q) |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

**H2**

|  |  |  |
| --- | --- | --- |
| B | ~ | B |
|  |  |  |
|  |  |  |

**H1**

|  |  |  |
| --- | --- | --- |
| A | ~ | A |
|  |  |  |
|  |  |  |

**H7**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| P | Q | ~ | (~ | P | ⭢ | ~ | Q) |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |

**H6**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| P | Q | (~ | P | ⭢ | ~ | Q) |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

**H5**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| P | Q | ~ | (Q | ⭢ | P) |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

**H9**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| P | Q | (~ | (Q | ⭢ | P) | ⭢ | (P | ⭢ | Q)) |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |

**H8**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| P | Q | ~ | ((Q | ⭢ | P) | ⭢ | (P | ⭢ | Q)) |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |