Godwin Aleroso

Test 1

1)false  
2)true  
3)true  
4)false

**P^q**

|  |  |  |
| --- | --- | --- |
| **p** | **q** | **p^q** |
| T | T | T |
| T | F | F |
| F | T | F |
| F | F | F |

**¬(p v q)**

|  |  |  |  |
| --- | --- | --- | --- |
| **p** | **q** | **P v q** | **¬(p v q)** |
| T | T | T | F |
| T | F | T | F |
| F | T | T | F |
| F | F | F | T |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| p | q | ¬q | P->q | (p->) ^ (¬q) |
| T | T | F | T | F |
| T | F | T | F | F |
| F | T | T | T | T |
| F | F | F | T | F |

**(P->) ^ (¬q)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| p | q | P v q | ¬p v q | (p v q)←→(¬p v q) |
| T | T | T | F | F |
| T | F | T | F | F |
| F | T | T | F | F |
| F | F | F | T | F |

**(p v q) ←→(¬p v q)**