**Exam #1 - Question 11**

**Question 11:**

Show whether or not the following two propositions are **logically equivalent**:

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|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **p** | **q** | **~q ^ ~p** | **q ^~ p** | **p v (q ^ ~p)** | **~(p v (q ^ ~p) )** |
| F | F | T | F | F | T |
| F | T | F | T | T | F |
| T | F | F | T | T | F |
| T | T | T | F | T | T |

|  |
| --- |
|  |
| T |
| T |
| T |
| T |