**Exam #1 - Question 12**

**Question 12:**

Let p, q, and r denote propositions. Calculate the **truth table** for the following proposition.

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|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| q v p  (1) | (~p v r)  (2) | 1 ^ 2  (3) | r ^ p  (4) | 3 -> 4 |
| F | T | F | T | T |
| T | T | T | F | F |
| T | F | F | T | T |
| F | T | T | T | T |