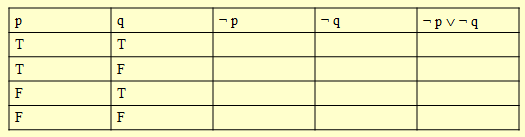
**Section 1.2**

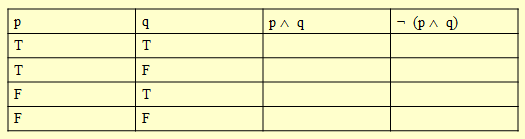
**Part One**

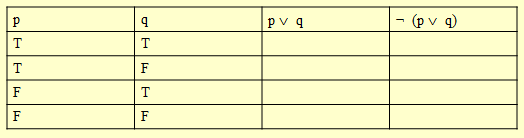
* Let
  + m = Juan is a math major
  + c = Juan is a computer science major
* How would we write
  + Juan is a math major but not a computer science major
  + Juan is either a math major or a computer science major
* Let
  + s = stocks are increasing
  + i = interest rates are steady
* How would we write
  + Stocks are increasing but interest rates are steady
  + Neither are stocks increasing nor are interest rates steady

**Part Two**

Complete the following truth tables







**Part Three**

Let

h = John is healthy

w = John is wealthy

s = John is wise

Write compound propositions representing

1. John is healthy and wealthy but not wise
2. John is not wealthy but he is healthy and wise
3. John is neither healthy, wealthy, nor wise
4. John is neither wealthy nor wise, but he is healthy.
5. John is wealthy, but he is not both healthy and wise.

**Part Four**

Complete the following truth tables

