Math 4420 Discussion questions, Jan. 28, 2020

(1) Explain the two equal signs in equation in the proof of theorem 19.1 of the text. Show that this equation proves that $b = v$, that for all $x \notin L$, $r_x = k_L$ and every pair of lines intersect at one point.

(2) What does it mean for two incidence structures to be isomorphic?

(3) Problem 19A (i) of the text.