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Q: Using the tool of composition of sets to show a proof about propositional logic. I am trying to understand and actually giving a better formal proof about this argument: If $\{x \mid p\} = \{y \mid \text{eg } p\}$, then $\{y \mid \exists x (p \wedge \text{eg } p)\} = \{y \mid p\}$. How do I use the tool of composition of sets to prove this? Thanks.

A: Here's another, simpler way of stating the proposition: If $X=Y$ then $X \subseteq Y$ and $Y \subseteq X$.

Q: Is there any drawback using multiple angular velocity sensors to determine orientation in real time (on PCB) I have a software project that is currently using a haptic device, and is sending data to an ESP8266 board to log the angles that are sent. The board will then determine what direction it is, i.e. if the direction is positive or negative, as well as detecting which direction is facing. Now i was looking at the ESP8266 chip and i realised that there are two angular velocity sensors on it, so i could use the data from both of these in order to know what the board is facing and in what direction. My question is, is it correct to use these angular velocity sensors and then somehow combine the two angles to figure out what direction the ESP8266 is facing?

A: Angular velocity is high frequency (millions of cycles per second), possibly discontinuous (it may go from near 0 to $\pm\omega$ very quickly), and subject to offset and calibration errors. I wouldn't trust it.

Today, President Donald J. Trump issued the following statement regarding the release of the migrant caravan: "After 7 days without limits, they must be stopped from coming into the U.S. Loser!" The President issued the following tweets after speaking with the President of Honduras this morning:

Honduras