CL-Tutoria-4) Xinguan Tong S2297280. Exercise 1.

$$\frac{\neg C \models Q}{\neg C \models b} \xrightarrow{\neg C \models Q} contraposition$$

$$\frac{\neg C \models Q}{\neg C \models Q} \xrightarrow{\neg C \models Q} A$$

$$\frac{\neg C \models Q \land C \models b}{\neg C \models Q \land b}$$

$$\frac{\neg C \models Q \land C \models b}{\neg C \models Q \land b}$$

$$\frac{\neg C \models Q \land b}{\neg C \models Q \land b}$$

$$\frac{\neg C \models Q \land b}{\neg C \models Q \land b}$$

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$$\frac{\neg C \models Q \land b}{\neg C \models Q \land b}$$

$$\frac{\neg C \models Q \land b}{\neg C \models Q \land b}$$

$$\frac{\neg a \lor \neg b \models \neg a \lor \neg b}{\neg a \lor \neg b \models \neg (a \land b)} \frac{\neg (a \land b) \models \neg (a \land b)}{\neg (a \land b) \models \neg a \lor \neg b}$$

MENT MENT MINE MENT MENT MENT MENT MENT WITH M (XV), (XVZ) F X, Y (xyy), $(xy2) \models x$, y/2 (xyy), $(xy2) \models xy(y/2)$ $(xyy) \land (xy2) \models xy(y/2)$

Exercise 3

MYREME XUREUR	
x, y, 2 = x/y, 2	ΛR
F X/Y,7X,72, 74,2	7R
F x/y, 7(XVZ), 74,2	- 7
F x/y, 7(x/2), 7/2 F x/y, 7(x/2) / (7/2)	- VR
= x/y, 7(x/2) / (7y/2)	VR = VB
F(ス/y) V(つ(XVを) V (つyvを)	

It's neither a tou to logy nor a controdiction.